

SBI Clerk Mains MBT

(Held On 25 Feb 2024 Shift 1)

Q1 Directions: The passage given below is followed by a set of questions. Choose the best answer to each question.

Passage 1: India's long-delayed, refreshed Foreign Trade Policy has finally been unveiled. The new policy, announced on Friday by the Union Minister for Commerce, Industry and Textiles Piyush Goyal, has made it bold to set an ambitious target of reaching \$2 trillion in total exports (goods and services combined) by 2030. With the government currently estimating exports to have crossed \$760 billion in the fiscal year just ended on March 31, the policy projects a near tripling in outbound shipments of goods and services over the course of seven years. And when one compares this growth goal with the 75% expansion achieved over the last seven years since 2016, the magnitude of the aspiration suggests vaulting ambition.

Passage 2: To be sure, the last three years have been unprecedented, with first the COVID-19 pandemic and then Russia's invasion of Ukraine disrupting global trade momentum. Still, the last three years, when India put its trade policy reset on hold, also provided policymakers a unique opportunity to take a fresh approach to **delineating** the contours of its trade policy goals. The end result is long on statements of intent. The National Trade Facilitation Action Plan, for instance, lists aims to achieve that are essential and laudable but in no way novel: an improvement in the ease of doing business through reduction in transaction cost and time, a reduction in cargo release time, and a paperless regulatory environment. In a nod to India's WTO

obligations, the shift from incentives to an enabling regime of duty remission and exemption schemes to facilitate duty-free imports of inputs required for boosting exports has been near complete. Most of these schemes including the RoDTEP (Remission of Duties and Taxes on Exported Products), RoSCTL (Rebate on State and Central Taxes and Levies), AA (Advance Authorisation) and EPCG (Export Promotion Capital Goods) have been around for a while and the policy has just tweaked some of the terms of implementation to improve adoption. In the key sector of apparel and clothing, for instance, the facility of self-declaration has now been offered across the board to all exporters.

Passage 3: A one-time _____ has also been offered, giving exporters more time to avail of both the AA and EPCG schemes. And acknowledging the substantial surge in online trade, the policy devotes a whole chapter to 'Promoting Cross Border Trade in Digital Economy' including moves to facilitate the establishment of dedicated e-commerce export hubs. Still, with global trade largely becalmed and the services sector facing headwinds of uncertainty in the key western markets, the FTP falls short in offering more substantive and sectorally targeted measures as well as a well-defined road map to meet the 2030 export target.

To describe the trade policy goals, what was the perspective addressed in passage 2?

(A) The transition from incentives to an enabling system of duty remission and exemption



programmes to promote duty-free imports of components necessary for increasing exports.

- (B) India postponed its trade policy reset, giving decision-makers a rare chance to define the specifics of its trade policy objectives in a new way.
- (C) All exporters are now given the option of self-declaration in the important garment and clothing industry.
- (D) Both (b) and (c)
- (E) All of the above

Q2 Directions: The passage given below is followed by a set of questions. Choose the best answer to each question.

Passage 1: India's long-delayed, refreshed Foreign Trade Policy has finally been unveiled. The new policy, announced on Friday by the Union Minister for Commerce, Industry and Textiles Piyush Goyal, has made it bold to set an ambitious target of reaching \$2 trillion in total exports (goods and services combined) by 2030. With the government currently estimating exports to have crossed \$760 billion in the fiscal year just ended on March 31, the policy projects a near tripling in outbound shipments of goods and services over the course of seven years. And when one compares this growth goal with the 75% expansion achieved over the last seven years since 2016, the magnitude of the aspiration suggests vaulting ambition.

Passage 2: To be sure, the last three years have been unprecedented, with first the COVID-19 pandemic and then Russia's invasion of Ukraine disrupting global trade momentum. Still, the last three years, when India put its trade policy reset on hold, also provided policymakers a unique opportunity to take a fresh approach to **delineating** the contours of its trade policy goals. The end result is long on statements of intent.

The National Trade Facilitation Action Plan, for instance, lists aims to achieve that are essential and laudable but in no way novel: an improvement in the ease of doing business through reduction in transaction cost and time, a reduction in cargo release time, and a paperless regulatory environment. In a nod to India's WTO obligations, the shift from incentives to an enabling regime of duty remission and exemption schemes to facilitate duty-free imports of inputs required for boosting exports has been near complete. Most of these schemes including the RoDTEP (Remission of Duties and Taxes on Exported Products), RoSCTL (Rebate on State and Central Taxes and Levies), AA (Advance Authorisation) and EPCG (Export Promotion Capital Goods) have been around for a while and the policy has just tweaked some of the terms of implementation to improve adoption. In the key sector of apparel and clothing, for instance, the facility of self-declaration has now been offered across the board to all exporters.

Passage 3: A one-time _____ has also been offered, giving exporters more time to avail of both the AA and EPCG schemes. And acknowledging the substantial surge in online trade, the policy devotes a whole chapter to 'Promoting Cross Border Trade in Digital Economy' including moves to facilitate the establishment of dedicated e-commerce export hubs. Still, with global trade largely becalmed and the services sector facing headwinds of uncertainty in the key western markets, the FTP falls short in offering more substantive and sectorally targeted measures as well as a well-defined road map to meet the 2030 export target.

What were the initiatives taken by India to boost exports as underscored in the second passage?

(A)



Implementation of National Trade Facilitation Action Plan, which aims at the ease of doing business via reduction in transaction cost and time.

- (B) The transition from an incentive-based system to an enabling one that allows duty-free imports of inputs needed to increase exports has nearly been completed.
- (C) The majority of these programmes, such as RoDTEP (Remission of Duties and Taxes on Exported Products, RoSCTL (Rebate on State and Central Taxes and Levies), AA (Advance Authorization), and EPCG (Export Promotion Capital Goods), have been in existence for some time; the policy has only slightly modified some of the conditions under which they must be put into practice.
- (D) Both (b) and (c)
- (E) None of the above

Q3 Directions: The passage given below is followed by a set of questions. Choose the best answer to each question.

Passage 1: India's long-delayed, refreshed Foreign Trade Policy has finally been unveiled. The new policy, announced on Friday by the Union Minister for Commerce, Industry and Textiles Piyush Goyal, has made it bold to set an ambitious target of reaching \$2 trillion in total exports (goods and services combined) by 2030. With the government currently estimating exports to have crossed \$760 billion in the fiscal year just ended on March 31, the policy projects a near tripling in outbound shipments of goods and services over the course of seven years. And when one compares this growth goal with the 75% expansion achieved over the last seven years since 2016, the magnitude of the aspiration suggests vaulting ambition.

Passage 2: To be sure, the last three years have been unprecedented, with first the COVID-19 pandemic and then Russia's invasion of Ukraine disrupting global trade momentum. Still, the last three years, when India put its trade policy reset on hold, also provided policymakers a unique opportunity to take a fresh approach to **delineating** the contours of its trade policy goals. The end result is long on statements of intent. The National Trade Facilitation Action Plan, for instance, lists aims to achieve that are essential and laudable but in no way novel: an improvement in the ease of doing business through reduction in transaction cost and time, a reduction in cargo release time, and a paperless regulatory environment. In a nod to India's WTO obligations, the shift from incentives to an enabling regime of duty remission and exemption schemes to facilitate duty-free imports of inputs required for boosting exports has been near complete. Most of these schemes including the RoDTEP (Remission of Duties and Taxes on Exported Products), RoSCTL (Rebate on State and Central Taxes and Levies), AA (Advance Authorisation) and EPCG (Export Promotion Capital Goods) have been around for a while and the policy has just tweaked some of the terms of implementation to improve adoption. In the key sector of apparel and clothing, for instance, the facility of self-declaration has now been offered across the board to all exporters.

Passage 3: A one-time _____ has also been offered, giving exporters more time to avail of both the AA and EPCG schemes. And acknowledging the substantial surge in online trade, the policy devotes a whole chapter to 'Promoting Cross Border Trade in Digital Economy' including moves to facilitate the establishment of dedicated e-commerce export hubs. Still, with global trade largely becalmed



and the services sector facing headwinds of uncertainty in the key western markets, the FTP falls short in offering more substantive and sectorally targeted measures as well as a well-defined road map to meet the 2030 export target.

Which of the following statement(s) is/are correct according to the National Trade Facilitation Action Plan?

- (A) Lower transaction costs to make conducting business easier
- (B) Shorter cargo release time
- (C) A regulatory environment with laudable policies
- (D) Both (a) and (b)
- (E) All of the above

Q4 Directions: The passage given below is followed by a set of questions. Choose the best answer to each question.

Passage 1: India's long-delayed, refreshed Foreign Trade Policy has finally been unveiled. The new policy, announced on Friday by the Union Minister for Commerce, Industry and Textiles Piyush Goyal, has made it bold to set an ambitious target of reaching \$2 trillion in total exports (goods and services combined) by 2030. With the government currently estimating exports to have crossed \$760 billion in the fiscal year just ended on March 31, the policy projects a near tripling in outbound shipments of goods and services over the course of seven years. And when one compares this growth goal with the 75% expansion achieved over the last seven years since 2016, the magnitude of the aspiration suggests vaulting ambition.

Passage 2: To be sure, the last three years have been unprecedented, with first the COVID-19 pandemic and then Russia's invasion of Ukraine disrupting global trade momentum. Still, the last

three years, when India put its trade policy reset on hold, also provided policymakers a unique opportunity to take a fresh approach to **delineating** the contours of its trade policy goals. The end result is long on statements of intent. The National Trade Facilitation Action Plan, for instance, lists aims to achieve that are essential and laudable but in no way novel: an improvement in the ease of doing business through reduction in transaction cost and time, a reduction in cargo release time, and a paperless regulatory environment. In a nod to India's WTO obligations, the shift from incentives to an enabling regime of duty remission and exemption schemes to facilitate duty-free imports of inputs required for boosting exports has been near complete. Most of these schemes including the RoDTEP (Remission of Duties and Taxes on Exported Products), RoSCTL (Rebate on State and Central Taxes and Levies), AA (Advance Authorisation) and EPCG (Export Promotion Capital Goods) have been around for a while and the policy has just tweaked some of the terms of implementation to improve adoption. In the key sector of apparel and clothing, for instance, the facility of self-declaration has now been offered across the board to all exporters.

Passage 3: A one-time _____ has also been offered, giving exporters more time to avail of both the AA and EPCG schemes. And acknowledging the substantial surge in online trade, the policy devotes a whole chapter to 'Promoting Cross Border Trade in Digital Economy' including moves to facilitate the establishment of dedicated e-commerce export hubs. Still, with global trade largely becalmed and the services sector facing headwinds of uncertainty in the key western markets, the FTP falls short in offering more substantive and sectorally targeted measures as well as a well-



defined road map to meet the 2030 export target.

Q. Which of the following statement(s) is **FALSE** according to the passage?

- (A) (a) India has bravely set an ambitious goal of attaining \$2 trillion in total exports (goods and services combined) by 2030 as a result of its protracted delays.
- (B) (b) The strategy anticipates a near doubling of exports of goods and services over the next seven years, with the government presently forecasting exports to have exceeded \$760 billion in the fiscal year that concluded on March 31.
- (C) (c) The size of the target reflects sky-high ambition when contrasted with the 85% expansion that has been attained over the last seven years since 2015 and this growth goal.
- (D) (d) Both (b) and (c)
- (E) (e) All of the above

Q5 Directions: The passage given below is followed by a set of questions. Choose the best answer to each question.

Passage 1: India's long-delayed, refreshed Foreign Trade Policy has finally been unveiled. The new policy, announced on Friday by the Union Minister for Commerce, Industry and Textiles Piyush Goyal, has made it bold to set an ambitious target of reaching \$2 trillion in total exports (goods and services combined) by 2030. With the government currently estimating exports to have crossed \$760 billion in the fiscal year just ended on March 31, the policy projects a near tripling in outbound shipments of goods and services over the course of seven years. And when one compares this growth goal with the 75% expansion achieved over the last seven

years since 2016, the magnitude of the aspiration suggests vaulting ambition.

Passage 2: To be sure, the last three years have been unprecedented, with first the COVID-19 pandemic and then Russia's invasion of Ukraine disrupting global trade momentum. Still, the last three years, when India put its trade policy reset on hold, also provided policymakers a unique opportunity to take a fresh approach to **delineating** the contours of its trade policy goals. The end result is long on statements of intent. The National Trade Facilitation Action Plan, for instance, lists aims to achieve that are essential and laudable but in no way novel: an improvement in the ease of doing business through reduction in transaction cost and time, a reduction in cargo release time, and a paperless regulatory environment. In a nod to India's WTO obligations, the shift from incentives to an enabling regime of duty remission and exemption schemes to facilitate duty-free imports of inputs required for boosting exports has been near complete. Most of these schemes including the RoDTEP (Remission of Duties and Taxes on Exported Products), RoSCTL (Rebate on State and Central Taxes and Levies), AA (Advance Authorisation) and EPCG (Export Promotion Capital Goods) have been around for a while and the policy has just tweaked some of the terms of implementation to improve adoption. In the key sector of apparel and clothing, for instance, the facility of self-declaration has now been offered across the board to all exporters.

Passage 3: A one-time _____ has also been offered, giving exporters more time to avail of both the AA and EPCG schemes. And acknowledging the substantial surge in online trade, the policy devotes a whole chapter to 'Promoting Cross Border Trade in Digital Economy' including moves to facilitate the



establishment of dedicated e-commerce export hubs. Still, with global trade largely becalmed and the services sector facing headwinds of uncertainty in the key western markets, the FTP falls short in offering more substantive and sectorally targeted measures as well as a well-defined road map to meet the 2030 export target.

Which of the following statement(s) is **FALSE** according to the first passage?

- (A) India has bravely set an ambitious goal of attaining \$2 trillion in total exports (goods and services combined) by 2030 as a result of its protracted delays.
- (B) The strategy anticipates a near doubling of exports of goods and services over the next seven years, with the government presently forecasting exports to have exceeded \$760 billion in the fiscal year that concluded on March 31.
- (C) The size of the target reflects sky-high ambition when contrasted with the 85% expansion that has been attained over the last seven years since 2015 and this growth goal.
- (D) Both (b) and (c)
- (E) All of the above

Q6 Directions: The passage given below is followed by a set of questions. Choose the best answer to each question.

Passage 1: India's long-delayed, refreshed Foreign Trade Policy has finally been unveiled. The new policy, announced on Friday by the Union Minister for Commerce, Industry and Textiles Piyush Goyal, has made it bold to set an ambitious target of reaching \$2 trillion in total exports (goods and services combined) by 2030. With the government currently estimating exports to have crossed \$760 billion in the fiscal

year just ended on March 31, the policy projects a near tripling in outbound shipments of goods and services over the course of seven years. And when one compares this growth goal with the 75% expansion achieved over the last seven years since 2016, the magnitude of the aspiration suggests vaulting ambition.

Passage 2: To be sure, the last three years have been unprecedented, with first the COVID-19 pandemic and then Russia's invasion of Ukraine disrupting global trade momentum. Still, the last three years, when India put its trade policy reset on hold, also provided policymakers a unique opportunity to take a fresh approach to **delineating** the contours of its trade policy goals. The end result is long on statements of intent. The National Trade Facilitation Action Plan, for instance, lists aims to achieve that are essential and laudable but in no way novel: an improvement in the ease of doing business through reduction in transaction cost and time, a reduction in cargo release time, and a paperless regulatory environment. In a nod to India's WTO obligations, the shift from incentives to an enabling regime of duty remission and exemption schemes to facilitate duty-free imports of inputs required for boosting exports has been near complete. Most of these schemes including the RoDTEP (Remission of Duties and Taxes on Exported Products), RoSCTL (Rebate on State and Central Taxes and Levies), AA (Advance Authorisation) and EPCG (Export Promotion Capital Goods) have been around for a while and the policy has just tweaked some of the terms of implementation to improve adoption. In the key sector of apparel and clothing, for instance, the facility of self-declaration has now been offered across the board to all exporters.

Passage 3: A one-time _____ has also been offered, giving exporters more time to



avail of both the AA and EPCG schemes. And acknowledging the substantial surge in online trade, the policy devotes a whole chapter to 'Promoting Cross Border Trade in Digital Economy' including moves to facilitate the establishment of dedicated e-commerce export hubs. Still, with global trade largely becalmed and the services sector facing headwinds of uncertainty in the key western markets, the FTP falls short in offering more substantive and sectorally targeted measures as well as a well-defined road map to meet the 2030 export target.

Which of the following is a suitable title for the given passage?

- (A) Trade and growth momentum of foreign trade policy.
- (B) Magnitude of aspiration in unprecedented times.
- (C) Estimation of the export policy.
- (D) Impact of import and export policies.
- (E) The aspiration of the new foreign trade policy seems ambitious.

Q7 Directions: The passage given below is followed by a set of questions. Choose the best answer to each question.

Passage 1: India's long-delayed, refreshed Foreign Trade Policy has finally been unveiled. The new policy, announced on Friday by the Union Minister for Commerce, Industry and Textiles Piyush Goyal, has made it bold to set an ambitious target of reaching \$2 trillion in total exports (goods and services combined) by 2030. With the government currently estimating exports to have crossed \$760 billion in the fiscal year just ended on March 31, the policy projects a near tripling in outbound shipments of goods and services over the course of seven years. And when one compares this growth goal with the

75% expansion achieved over the last seven years since 2016, the magnitude of the aspiration suggests vaulting ambition.

Passage 2: To be sure, the last three years have been unprecedented, with first the COVID-19 pandemic and then Russia's invasion of Ukraine disrupting global trade momentum. Still, the last three years, when India put its trade policy reset on hold, also provided policymakers a unique opportunity to take a fresh approach to **delineating** the contours of its trade policy goals. The end result is long on statements of intent. The National Trade Facilitation Action Plan, for instance, lists aims to achieve that are essential and laudable but in no way novel: an improvement in the ease of doing business through reduction in transaction cost and time, a reduction in cargo release time, and a paperless regulatory environment. In a nod to India's WTO obligations, the shift from incentives to an enabling regime of duty remission and exemption schemes to facilitate duty-free imports of inputs required for boosting exports has been near complete. Most of these schemes including the RoDTEP (Remission of Duties and Taxes on Exported Products), RoSCTL (Rebate on State and Central Taxes and Levies), AA (Advance Authorisation) and EPCG (Export Promotion Capital Goods) have been around for a while and the policy has just tweaked some of the terms of implementation to improve adoption. In the key sector of apparel and clothing, for instance, the facility of self-declaration has now been offered across the board to all exporters.

Passage 3: A one-time _____ has also been offered, giving exporters more time to avail of both the AA and EPCG schemes. And acknowledging the substantial surge in online trade, the policy devotes a whole chapter to 'Promoting Cross Border Trade in Digital



Economy' including moves to facilitate the establishment of dedicated e-commerce export hubs. Still, with global trade largely becalmed and the services sector facing headwinds of uncertainty in the key western markets, the FTP falls short in offering more substantive and sectorally targeted measures as well as a well-defined road map to meet the 2030 export target.

Which of the following words can fill the given blank in the third passage?

- (A) resolution
- (B) acquisition
- (C) reprieve
- (D) respite
- (E) None of the above

Q8 Direction: Read the following passage carefully and answer the question given below. Some words are printed in bold in order to help you locate them while answering some of the questions.

Paragraph 1- Every time a boat capsizes in Kerala, where inland cruise tourism is flourishing largely unregulated, the familiar refrain is that it was a tragedy waiting to happen. The boat that sank in the Poorapuzha estuary in Tanur municipality on Sunday evening, killing 22 people, 15 of them children, was packed with local tourists to twice its capacity and was not cleared for post-dusk operations. It remains unclear how a fishing boat fitted with an upper deck received clearance, if at all it did, to conduct inland tourist operations. Rescue workers, most of them fishermen, sustained injuries from the broken glass panels that covered the windows on its lower deck where most victims had got trapped. The Kerala government has ordered a judicial inquiry, with the support of experts, into the accident and the

police have arrested the owner of the vessel. It was just a month ago that international disaster management expert Muralee Thummarukudy issued a prescient warning, which sounds eerie in hindsight, of an _____ houseboat tragedy in Kerala with at least 10 casualties.

Paragraph 2- The cautionary note flagged the absence of crew training, sparse availability and use of safety material such as life vests, lack of on board briefing of guests and **erratic** renewal of operational license and enforcement thereon. Inquiring into the Thekkady boat capsized in 2009, the worst Kerala has seen with 45 casualties, the former judge, E. Moideen Kunju, had recommended expeditious formation of a maritime board to regulate water transport. The Kerala Maritime Board was formed in 2017 by merging the Directorate of Ports, Kerala State Maritime Development Corporation Limited, and the Kerala Maritime Society. But the police investigation in the case dragged on, with a second charge sheet filed 10 years after the accident.

Paragraph 3- The trial has not begun yet. As per official data, 3,213 inland vessels are in operation in Kerala's numerous waterways, but industry insiders give a ballpark figure of about 4,000 vessels, also counting the unlicensed ones. The maritime board, vested with the responsibility to ensure the fitness, licensing and safe operation of all tourist vessels in Kerala, including houseboats, is short of adequate manpower to carry out its job. It has no enforcement wing to keep a tab on errant vessels, including those that dodge periodic renewal of license. Boat tourism holds **tremendous** potential in a State lined with waterways, but to be able to reap its benefits, the safety of the people using it should be given top priority. The government should expeditiously arm the maritime board with the



wherewithal to carry out enforcement. This will ensure that erring officials are taken to task and not just the boat crew and managers.

What is the information that was highlighted in the cautionary notice?

- a. Lack of crew training
- b. Ample Supply of Safety Materials
- c. Utilisation and availability of safety equipment are limited

- (A) Only a
- (B) Only c
- (C) Both a and b
- (D) Both a and c
- (E) None of these

Q9 Direction: Read the following passage carefully and answer the question given below. Some words are printed in bold in order to help you locate them while answering some of the questions.

Paragraph 1- Every time a boat capsizes in Kerala, where inland cruise tourism is flourishing largely unregulated, the familiar refrain is that it was a tragedy waiting to happen. The boat that sank in the Poorapuzha estuary in Tanur municipality on Sunday evening, killing 22 people, 15 of them children, was packed with local tourists to twice its capacity and was not cleared for post-dusk operations. It remains unclear how a fishing boat fitted with an upper deck received clearance, if at all it did, to conduct inland tourist operations. Rescue workers, most of them fishermen, sustained injuries from the broken glass panels that covered the windows on its lower deck where most victims had got trapped. The Kerala government has ordered a judicial inquiry, with the support of experts, into the accident and the police have arrested the owner of the vessel. It was just a month ago that international disaster management expert Muralee Thummarukudy issued a prescient warning, which sounds eerie in

hindsight, of an _____ houseboat tragedy in Kerala with at least 10 casualties.

Paragraph 2- The cautionary note flagged the absence of crew training, sparse availability and use of safety material such as life vests, lack of on board briefing of guests and **erratic** renewal of operational license and enforcement thereon. Inquiring into the Thekkady boat capsized in 2009, the worst Kerala has seen with 45 casualties, the former judge, E. Moideen Kunju, had recommended expeditious formation of a maritime board to regulate water transport. The Kerala Maritime Board was formed in 2017 by merging the Directorate of Ports, Kerala State Maritime Development Corporation Limited, and the Kerala Maritime Society. But the police investigation in the case dragged on, with a second charge sheet filed 10 years after the accident.

Paragraph 3- The trial has not begun yet. As per official data, 3,213 inland vessels are in operation in Kerala's numerous waterways, but industry insiders give a ballpark figure of about 4,000 vessels, also counting the unlicensed ones. The maritime board, vested with the responsibility to ensure the fitness, licensing and safe operation of all tourist vessels in Kerala including houseboats, is short of adequate manpower to carry out its job. It has no enforcement wing to keep a tab on errant vessels including those that dodge periodic renewal of license. Boat tourism holds **tremendous** potential in a State lined with waterways, but to be able to reap its benefits, the safety of the people using it should be given top priority. The government should expeditiously arm the maritime board with the wherewithal to carry out enforcement. This will ensure that erring officials are taken to task and not just the boat crew and managers.



What conclusions can be made regarding the fixes for Kerala's inland cruise accidents?

- a. Boat tourism has potential, but safety should be prioritized to ensure its success.
 - b. The government should provide the essential tools for the marine board.
 - c. The Kerala government has ordered a judicial inquiry and arrested the owner of the vessel.
- (A) Only b (B) Except a
 (C) Both a and b (D) All a, b and c
 (E) None of these

Q10 Direction: Read the following passage carefully and answer the question given below. Some words are printed in bold in order to help you locate them while answering some of the questions.

Paragraph 1- Every time a boat capsizes in Kerala, where inland cruise tourism is flourishing largely unregulated, the familiar refrain is that it was a tragedy waiting to happen. The boat that sank in the Poorapuzha estuary in Tanur municipality on Sunday evening, killing 22 people, 15 of them children, was packed with local tourists to twice its capacity and was not cleared for post-dusk operations. It remains unclear how a fishing boat fitted with an upper deck received clearance, if at all it did, to conduct inland tourist operations. Rescue workers, most of them fishermen, sustained injuries from the broken glass panels that covered the windows on its lower deck where most victims had got trapped. The Kerala government has ordered a judicial inquiry, with the support of experts, into the accident and the police have arrested the owner of the vessel. It was just a month ago that international disaster management expert Muralee Thummarukudy issued a prescient warning, which sounds eerie in

hindsight, of an _____ houseboat tragedy in Kerala with at least 10 casualties.

Paragraph 2- The cautionary note flagged the absence of crew training, sparse availability and use of safety material such as life vests, lack of on board briefing of guests and **erratic** renewal of operational license and enforcement thereon. Inquiring into the Thekkady boat capsized in 2009, the worst Kerala has seen with 45 casualties, the former judge, E. Moideen Kunju, had recommended expeditious formation of a maritime board to regulate water transport. The Kerala Maritime Board was formed in 2017 by merging the Directorate of Ports, Kerala State Maritime Development Corporation Limited, and the Kerala Maritime Society. But the police investigation in the case dragged on, with a second charge sheet filed 10 years after the accident.

Paragraph 3- The trial has not begun yet. As per official data, 3,213 inland vessels are in operation in Kerala's numerous waterways, but industry insiders give a ballpark figure of about 4,000 vessels, also counting the unlicensed ones. The maritime board, vested with the responsibility to ensure the fitness, licensing and safe operation of all tourist vessels in Kerala including houseboats, is short of adequate manpower to carry out its job. It has no enforcement wing to keep a tab on errant vessels including those that dodge periodic renewal of license. Boat tourism holds **tremendous** potential in a State lined with waterways, but to be able to reap its benefits, the safety of the people using it should be given top priority. The government should expeditiously arm the maritime board with the wherewithal to carry out enforcement. This will ensure that erring officials are taken to task and not just the boat crew and managers.



What are the reasons for Kerala's inland cruise accidents as per the information given in the passage?

1. The warning notice drew attention to the crew's lack of safety training, training materials and resources .
 2. An estimated 4,000 inland boats, including unregistered ones, are already using Kerala's rivers.
 3. Board lacks manpower to ensure safe operation of tourist vessels.
- (A) Both a and c
 (B) Both b and c
 (C) Except a
 (D) Only c
 (E) All of the above

Q11 Direction: Read the following passage carefully and answer the question given below. Some words are printed in bold in order to help you locate them while answering some of the questions.

Paragraph 1- Every time a boat capsizes in Kerala, where inland cruise tourism is flourishing largely unregulated, the familiar refrain is that it was a tragedy waiting to happen. The boat that sank in the Poorapuzha estuary in Tanur municipality on Sunday evening, killing 22 people, 15 of them children, was packed with local tourists to twice its capacity and was not cleared for post-dusk operations. It remains unclear how a fishing boat fitted with an upper deck received clearance, if at all it did, to conduct inland tourist operations. Rescue workers, most of them fishermen, sustained injuries from the broken glass panels that covered the windows on its lower deck where most victims had got trapped. The Kerala government has ordered a judicial inquiry, with the support of experts, into the accident, and the

police have arrested the owner of the vessel. It was just a month ago that international disaster management expert Muralee Thummarukudy issued a prescient warning, which sounds eerie in hindsight, of an _____ houseboat tragedy in Kerala with at least 10 casualties.

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Paragraph 3- The trial has not begun yet. As per official data, 3,213 inland vessels are in operation in Kerala's numerous waterways, but industry insiders give a ballpark figure of about 4,000 vessels, also counting the unlicensed ones. The maritime board, vested with the responsibility to ensure the fitness, licensing and safe operation of all tourist vessels in Kerala, including houseboats, is short of adequate manpower to carry out its job. It has no enforcement wing to keep a tab on errant vessels, including those that dodge periodic renewal of license. Boat tourism holds **tremendous** potential in a State lined with waterways, but to be able to reap its benefits, the safety of the people using it should be given top priority. The government should expeditiously arm the maritime board with the



wherewithal to carry out enforcement. This will ensure that erring officials are taken to task and not just the boat crew and managers.

Which of the following can be incorrect as per the third paragraph of the passage?

- (A) The government should equip the maritime board with the necessary resources.
- (B) No enforcement wing is in place to prevent errant vessels from evading license renewal.
- (C) A state with many waterways has a small amount of potential for boat tourism, but in order to capitalize on it, user safety must come first.
- (D) Erring officials should be held accountable, not just the boat crew and managers.
- (E) None of these

Q12 Direction: Read the following passage carefully and answer the question given below. Some words are printed in bold in order to help you locate them while answering some of the questions.

Paragraph 1- Every time a boat capsizes in Kerala, where inland cruise tourism is flourishing largely unregulated, the familiar refrain is that it was a tragedy waiting to happen. The boat that sank in the Poorapuzha estuary in Tanur municipality on Sunday evening, killing 22 people, 15 of them children, was packed with local tourists to twice its capacity and was not cleared for post-dusk operations. It remains unclear how a fishing boat fitted with an upper deck received clearance, if at all it did, to conduct inland tourist operations. Rescue workers, most of them fishermen, sustained injuries from the broken glass panels that covered the windows on its lower deck where most victims had got trapped. The Kerala government has ordered a judicial inquiry, with the support of experts, into the accident and the

police have arrested the owner of the vessel. It was just a month ago that international disaster management expert Muralee Thummarukudy issued a prescient warning, which sounds eerie in hindsight, of an _____ houseboat tragedy in Kerala with at least 10 casualties.

Paragraph 2- The cautionary note flagged the absence of crew training, sparse availability and use of safety material such as life vests, lack of on board briefing of guests and **erratic** renewal of operational license and enforcement thereon. Inquiring into the Thekkady boat capsized in 2009, the worst Kerala has seen with 45 casualties, the former judge, E. Moideen Kunju, had recommended expeditious formation of a maritime board to regulate water transport. The Kerala Maritime Board was formed in 2017 by merging the Directorate of Ports, Kerala State Maritime Development Corporation Limited, and the Kerala Maritime Society. But the police investigation in the case dragged on, with a second charge sheet filed 10 years after the accident.

Paragraph 3- The trial has not begun yet. As per official data, 3,213 inland vessels are in operation in Kerala's numerous waterways, but industry insiders give a ballpark figure of about 4,000 vessels, also counting the unlicensed ones. The maritime board, vested with the responsibility to ensure the fitness, licensing and safe operation of all tourist vessels in Kerala including houseboats, is short of adequate manpower to carry out its job. It has no enforcement wing to keep a tab on errant vessels including those that dodge periodic renewal of license. Boat tourism holds **tremendous** potential in a State lined with waterways, but to be able to reap its benefits, the safety of the people using it should be given top priority. The government should expeditiously arm the maritime board with the



wherewithal to carry out enforcement. This will ensure that erring officials are taken to task and not just the boat crew and managers.

What is the tone of the author in the entire passage?

- (A) Provocative (B) Critical
(C) Prejudiced (D) Commiserating
(E) None of these

Q13 Direction: Read the following passage carefully and answer the question given below. Some words are printed in bold in order to help you locate them while answering some of the questions.

Paragraph 1- Every time a boat capsizes in Kerala, where inland cruise tourism is flourishing largely unregulated, the familiar refrain is that it was a tragedy waiting to happen. The boat that sank in the Poorapuzha estuary in Tanur municipality on Sunday evening, killing 22 people, 15 of them children, was packed with local tourists to twice its capacity and was not cleared for post-dusk operations. It remains unclear how a fishing boat fitted with an upper deck received clearance, if at all it did, to conduct inland tourist operations. Rescue workers, most of them fishermen, sustained injuries from the broken glass panels that covered the windows on its lower deck where most victims had got trapped. The Kerala government has ordered a judicial inquiry, with the support of experts, into the accident and the police have arrested the owner of the vessel. It was just a month ago that international disaster management expert Muralee Thummarukudy issued a prescient warning, which sounds eerie in hindsight, of an _____ houseboat tragedy in Kerala with at least 10 casualties.

Paragraph 2- The cautionary note flagged the absence of crew training, sparse availability and

use of safety material such as life vests, lack of on board briefing of guests and **erratic** renewal of operational license and enforcement thereon. Inquiring into the Thekkady boat capsized in 2009, the worst Kerala has seen with 45 casualties, the former judge, E. Moideen Kunju, had recommended expeditious formation of a maritime board to regulate water transport. The Kerala Maritime Board was formed in 2017 by merging the Directorate of Ports, Kerala State Maritime Development Corporation Limited, and the Kerala Maritime Society. But the police investigation in the case dragged on, with a second charge sheet filed 10 years after the accident.

Paragraph 3- The trial has not begun yet. As per official data, 3,213 inland vessels are in operation in Kerala's numerous waterways, but industry insiders give a ballpark figure of about 4,000 vessels, also counting the unlicensed ones. The maritime board, vested with the responsibility to ensure the fitness, licensing and safe operation of all tourist vessels in Kerala including houseboats, is short of adequate manpower to carry out its job. It has no enforcement wing to keep a tab on errant vessels including those that dodge periodic renewal of license. Boat tourism holds **tremendous** potential in a State lined with waterways, but to be able to reap its benefits, the safety of the people using it should be given top priority. The government should expeditiously arm the maritime board with the wherewithal to carry out enforcement. This will ensure that erring officials are taken to task and not just the boat crew and managers.

What will fit in the blank taken from the passage: It was just a month ago that international disaster management expert Muralee Thummarukudy issued a prescient warning, which sounds eerie in hindsight, of an _____



houseboat tragedy in Kerala with at least 10 casualties.

- (A) gregarious (B) egalitarian
 (C) imminent (D) deleterious
 (E) None of these

Q14 Direction: Read the following passage carefully and answer the question given below. Some words are printed in bold in order to help you locate them while answering some of the questions.

Paragraph 1- Every time a boat capsizes in Kerala, where inland cruise tourism is flourishing largely unregulated, the familiar refrain is that it was a tragedy waiting to happen. The boat that sank in the Poorapuzha estuary in Tanur municipality on Sunday evening, killing 22 people, 15 of them children, was packed with local tourists to twice its capacity and was not cleared for post-dusk operations. It remains unclear how a fishing boat fitted with an upper deck received clearance, if at all it did, to conduct inland tourist operations. Rescue workers, most of them fishermen, sustained injuries from the broken glass panels that covered the windows on its lower deck where most victims had got trapped. The Kerala government has ordered a judicial inquiry, with the support of experts, into the accident and the police have arrested the owner of the vessel. It was just a month ago that international disaster management expert Muralee Thummarukudy issued a prescient warning, which sounds eerie in hindsight, of an _____ houseboat tragedy in Kerala with at least 10 casualties.

Paragraph 2- The cautionary note flagged the absence of crew training, sparse availability and use of safety material such as life vests, lack of on board briefing of guests and **erratic** renewal of operational license and enforcement thereon.

Inquiring into the Thekkady boat capsized in 2009, the worst Kerala has seen with 45 casualties, the former judge, E. Moideen Kunju, had recommended expeditious formation of a maritime board to regulate water transport. The Kerala Maritime Board was formed in 2017 by merging the Directorate of Ports, Kerala State Maritime Development Corporation Limited, and the Kerala Maritime Society. But the police investigation in the case dragged on, with a second charge sheet filed 10 years after the accident.

Paragraph 3- The trial has not begun yet. As per official data, 3,213 inland vessels are in operation in Kerala's numerous waterways, but industry insiders give a ballpark figure of about 4,000 vessels, also counting the unlicensed ones. The maritime board, vested with the responsibility to ensure the fitness, licensing and safe operation of all tourist vessels in Kerala including houseboats, is short of adequate manpower to carry out its job. It has no enforcement wing to keep a tab on errant vessels including those that dodge periodic renewal of license. Boat tourism holds **tremendous** potential in a State lined with waterways, but to be able to reap its benefits, the safety of the people using it should be given top priority. The government should expeditiously arm the maritime board with the wherewithal to carry out enforcement. This will ensure that erring officials are taken to task and not just the boat crew and managers.

Choose the word which is most OPPOSITE in the meaning of the word printed in bold as used in the passage.

Tremendous

- (A) bantam (B) colossal
 (C) pharaonic (D) walloping
 (E) None of these



Q15 Direction: Read the following passage carefully and answer the question given below. Some words are printed in bold in order to help you locate them while answering some of the questions.

Paragraph 1- Every time a boat capsizes in Kerala, where inland cruise tourism is flourishing largely unregulated, the familiar refrain is that it was a tragedy waiting to happen. The boat that sank in the Poorapuzha estuary in Tanur municipality on Sunday evening, killing 22 people, 15 of them children, was packed with local tourists to twice its capacity and was not cleared for post-dusk operations. It remains unclear how a fishing boat fitted with an upper deck received clearance, if at all it did, to conduct inland tourist operations. Rescue workers, most of them fishermen, sustained injuries from the broken glass panels that covered the windows on its lower deck where most victims had got trapped. The Kerala government has ordered a judicial inquiry, with the support of experts, into the accident and the police have arrested the owner of the vessel. It was just a month ago that international disaster management expert Muralee Thummarukudy issued a prescient warning, which sounds eerie in hindsight, of an _____ houseboat tragedy in Kerala with at least 10 casualties.

Paragraph 2- The cautionary note flagged the absence of crew training, sparse availability and use of safety material such as life vests, lack of on board briefing of guests and **erratic** renewal of operational license and enforcement thereon. Inquiring into the Thekkady boat capsize in 2009, the worst Kerala has seen with 45 casualties, the former judge, E. Moideen Kunju, had recommended expeditious formation of a maritime board to regulate water transport. The Kerala Maritime Board was formed in 2017 by

merging the Directorate of Ports, Kerala State Maritime Development Corporation Limited, and the Kerala Maritime Society. But the police investigation in the case dragged on, with a second charge sheet filed 10 years after the accident.

Paragraph 3- The trial has not begun yet. As per official data, 3,213 inland vessels are in operation in Kerala's numerous waterways, but industry insiders give a ballpark figure of about 4,000 vessels, also counting the unlicensed ones. The maritime board, vested with the responsibility to ensure the fitness, licensing and safe operation of all tourist vessels in Kerala including houseboats, is short of adequate manpower to carry out its job. It has no enforcement wing to keep a tab on errant vessels including those that dodge periodic renewal of license. Boat tourism holds **tremendous** potential in a State lined with waterways, but to be able to reap its benefits, the safety of the people using it should be given top priority. The government should expeditiously arm the maritime board with the wherewithal to carry out enforcement. This will ensure that erring officials are taken to task and not just the boat crew and managers.

Choose the word that is most nearly the same in meaning as the word printed in bold as used in the passage: **Erratic**

- (A) Periodic (B) Unremitting
(C) Sporadic (D) Stationary
(E) None of these

Q16 Direction: In the given question, a sentence has been broken into four parts and the parts are jumbled up. Choose the option which provides the correct order to rearrange the parts to form a grammatically and contextually meaningful sentence.



- A. we could be turned into a perfect work for
 B. God will make us, shape us, and help us to
 C. keep a positive attitude through the right kinds of challenges that
 D. carrying out his good, interesting, and perfect plan for us
 (A) BCAD
 (B) BDAC
 (C) None of the orders is correct
 (D) ADCB
 (E) DBAC

Q17 Direction: In the given question, a sentence has been broken into four parts and the parts are jumbled up. Choose the option which provides the correct order to rearrange the parts to form a grammatically and contextually meaningful sentence.

- A. Most of us just care for our kids
 B. had official training in how to be a good parent,
 C. how our parents did with us
 D. since not many of us have
 (A) DACB
 (B) CABD
 (C) None of the orders is correct.
 (D) DBAC
 (E) ADBC

Q18 Direction: In the given question, a sentence has been broken into four parts and the parts are jumbled up. Choose the option which provides the correct order to rearrange the parts to form a grammatically and contextually meaningful sentence.

- A. Oliver Markus Malloy, a German-American author
 B. says the coronavirus outbreak is going

- C. Even worse than 9/11
 D. to be the most important event of our lives
 (A) ACDB
 (B) CDDB
 (C) None of the orders is correct.
 (D) CADB
 (E) ABDC

Q19 Directions: In the following passage, some of the words have been left out and replaced by a blank represented by a letter. First read the passage and try to understand what it is about. Then fill in the blanks as per the questions given.

Between August 2021 and April 2022, the Intergovernmental Panel on Climate Change (IPCC) published three reports which (A) out the science behind the climate emergency and (B) pathways to mitigate it. The fourth report in the series was released on Tuesday. A (C) of the earlier studies, it gives the world a chance to stem the crisis. The pace of increase in GHG emissions has come down in the past five years, the panel comprising some of the world's top climate scientists points out. (D) the world is perilously close to exhausting its carbon budget. "The threshold beyond which the climate crisis becomes irreversible" could be (E) by the first half of the 2030s, IPCC's modeling shows. The Paris Climate Pact had agreed to check global temperature rise to 2°C above pre-industrial limits and "pursue efforts to limit warming to 1.5°C above pre-industrial levels". IPCC's studies have consistently borne out the salience of the pact's "more desirable target" and most countries today are on the same page about the 1.5°C limit. To limit temperature increase below the breakdown level, temperatures must peak by 2025 and decline by



43 percent in the next five years, scientists on the panel have ___(F)___.

Which of the following words will fit in the blank (A) ?

- (A) Disarranged (B) Neglected
(C) Laid (D) Saved
(E) None of these

Q20 Directions: In the following passage, some of the words have been left out and replaced by a blank represented by a letter. First read the passage and try to understand what it is about. Then fill in the blanks as per the questions given.

Between August 2021 and April 2022, the Intergovernmental Panel on Climate Change (IPCC) published three reports which ___(A)___ out the science behind the climate emergency and ___(B)___ pathways to mitigate it. The fourth report in the series was released on Tuesday. A ___(C)___ of the earlier studies, it gives the world a chance to stem the crisis. The pace of increase in GHG emissions has come down in the past five years, the panel comprising some of the world's top climate scientists points out. ___(D)___ the world is perilously close to exhausting its carbon budget. "The threshold beyond which the climate crisis becomes irreversible" could be ___(E)___ by the first half of the 2030s, IPCC's modeling shows. The Paris Climate Pact had agreed to check global temperature rise to 2°C above pre-industrial limits and "pursue efforts to limit warming to 1.5°C above pre-industrial levels". IPCC's studies have consistently borne out the salience of the pact's "more desirable target" and most countries today are on the same page about the 1.5°C limit. To limit temperature increase below the breakdown level, temperatures must peak by 2025 and decline by

43 percent in the next five years, scientists on the panel have ___(F)___.

Which of the following words will fit in the blank (B) ?

- (A) Derided (B) Suggested
(C) Eroded (D) Engrossed
(E) Ceded

Q21 Directions: In the following passage, some of the words have been left out and replaced by a blank represented by a letter. First read the passage and try to understand what it is about. Then fill in the blanks as per the questions given.

Between August 2021 and April 2022, the Intergovernmental Panel on Climate Change (IPCC) published three reports which ___(A)___ out the science behind the climate emergency and ___(B)___ pathways to mitigate it. The fourth report in the series was released on Tuesday. A ___(C)___ of the earlier studies, it gives the world a chance to stem the crisis. The pace of increase in GHG emissions has come down in the past five years, the panel comprising some of the world's top climate scientists points out. ___(D)___ the world is perilously close to exhausting its carbon budget. "The threshold beyond which the climate crisis becomes irreversible" could be ___(E)___ by the first half of the 2030s, IPCC's modeling shows. The Paris Climate Pact had agreed to check global temperature rise to 2°C above pre-industrial limits and "pursue efforts to limit warming to 1.5°C above pre-industrial levels". IPCC's studies have consistently borne out the salience of the pact's "more desirable target" and most countries today are on the same page about the 1.5°C limit. To limit temperature increase below the breakdown level, temperatures must peak by 2025 and decline by



43 percent in the next five years, scientists on the panel have ___(F)___.

Which of the following words will fit in the blank (C) ?

- (A) Hustings (B) Gusto
(C) Separation (D) Synthesis
(E) Flux

Q22 Directions: In the following passage, some of the words have been left out and replaced by a blank represented by a letter. First read the passage and try to understand what it is about. Then fill in the blanks as per the questions given.

Between August 2021 and April 2022, the Intergovernmental Panel on Climate Change (IPCC) published three reports which ___(A)___ out the science behind the climate emergency and ___(B)___ pathways to mitigate it. The fourth report in the series was released on Tuesday. A ___(C)___ of the earlier studies, it gives the world a chance to stem the crisis. The pace of increase in GHG emissions has come down in the past five years, the panel comprising some of the world's top climate scientists points out. ___(D)___ the world is perilously close to exhausting its carbon budget. "The threshold beyond which the climate crisis becomes irreversible" could be ___(E)___ by the first half of the 2030s, IPCC's modeling shows. The Paris Climate Pact had agreed to check global temperature rise to 2°C above pre-industrial limits and "pursue efforts to limit warming to 1.5°C above pre-industrial levels". IPCCs studies have consistently borne out the salience of the pact's "more desirable target" and most countries today are on the same page about the 1.5°C limit. To limit temperature increase below the breakdown level, temperatures must peak by 2025 and decline by

43 percent in the next five years, scientists on the panel have ___(F)___.

Which of the following words will fit in the blank (D) ?

- (A) Unless (B) Consequently
(C) However (D) Whereas
(E) Furthermore

Q23 Directions: In the following passage, some of the words have been left out and replaced by a blank represented by a letter. First read the passage and try to understand what it is about. Then fill in the blanks as per the questions given.

Between August 2021 and April 2022, the Intergovernmental Panel on Climate Change (IPCC) published three reports which ___(A)___ out the science behind the climate emergency and ___(B)___ pathways to mitigate it. The fourth report in the series was released on Tuesday. A ___(C)___ of the earlier studies, it gives the world a chance to stem the crisis. The pace of increase in GHG emissions has come down in the past five years, the panel comprising some of the world's top climate scientists points out. ___(D)___ the world is perilously close to exhausting its carbon budget. "The threshold beyond which the climate crisis becomes irreversible" could be ___(E)___ by the first half of the 2030s, IPCC's modeling shows. The Paris Climate Pact had agreed to check global temperature rise to 2°C above pre-industrial limits and "pursue efforts to limit warming to 1.5°C above pre-industrial levels". IPCCs studies have consistently borne out the salience of the pact's "more desirable target" and most countries today are on the same page about the 1.5°C limit. To limit temperature increase below the breakdown level, temperatures must peak by 2025 and decline by



43 percent in the next five years, scientists on the panel have ___(F)___.

Which of the following words will fit in the blank (E) ?

- (A) Chastised (B) Disdained
(C) Breached (D) Boded
(E) None of these

Q24 Directions: In the following passage, some of the words have been left out and replaced by a blank represented by a letter. First read the passage and try to understand what it is about. Then fill in the blanks as per the questions given.

Between August 2021 and April 2022, the Intergovernmental Panel on Climate Change (IPCC) published three reports which ___(A)___ out the science behind the climate emergency and ___(B)___ pathways to mitigate it. The fourth report in the series was released on Tuesday. A ___(C)___ of the earlier studies, it gives the world a chance to stem the crisis. The pace of increase in GHG emissions has come down in the past five years, the panel comprising some of the world's top climate scientists points out. ___(D)___ the world is perilously close to exhausting its carbon budget. "The threshold beyond which the climate crisis becomes irreversible" could be ___(E)___ by the first half of the 2030s, IPCC's modeling shows. The Paris Climate Pact had agreed to check global temperature rise to 2°C above pre-industrial limits and "pursue efforts to limit warming to 1.5°C above pre-industrial levels". IPCC's studies have consistently borne out the salience of the pact's "more desirable target" and most countries today are on the same page about the 1.5°C limit. To limit temperature increase below the breakdown level, temperatures must peak by 2025 and decline by

43 percent in the next five years, scientists on the panel have ___(F)___.

Which of the following words will fit in the blank (F) ?

- (A) Cancelled (B) Dissipated
(C) Underlined (D) Countermanded
(E) Helped

Q25 Directions: Four words are highlighted in the sentences given below. Read the sentences and try to figure out whether any interchange is required.

He did not **sultry(A)** if he could **survive(B)** in this **know(C)** desert for much **longer(D)**.

- (A) A - C
(B) B - C
(C) A - B
(D) C - D
(E) No arrangement Required

Q26 Directions: Four words are highlighted in the sentences given below. Read the sentences and try to figure out whether any interchange is required.

uneasiness(A) felt a **vague(B)** sense of **she(C)** when she was **around(D)** him.

- (A) A - D
(B) B - C
(C) C - A
(D) B - A
(E) No arrangement Required

Q27 Directions: In the following question, a sentence is given with four words marked as (A), (B), (C) and (D). These words may or may not be placed at their correct places. Four options with different arrangements of these words have been provided. Mark the option with the correct arrangement as the answer. If



no rearrangement is required, mark option (E) as your answer.

Platinum and palladium **precipitation (A)** from the anode **removed (B)** in the solution, and are **accumulate (C)** at intervals of, say, a few months by chemical **dissolved (D)**.

(A) BADC

(B) CDBA

(C) DCBA

(D) DABC

(E) No rearrangement required

Q28 Directions: In the following question, a sentence is given with four words marked as (A), (B), (C) and (D). These words may or may not be placed at their correct places. Four options with different arrangements of these words have been provided. Mark the option with the correct arrangement as the answer. If no rearrangement is required, mark option (E) as your answer.

India's imports of Russian oil have **maintaining (A)** from a very low **reaching (B)** at the start of the year **base (C)** a peak in June and July, and largely **risen(D)** these levels through to November.

(A) DCBA

(B) BDAC

(C) DBAC

(D) CDBA

(E) No rearrangement required

Q29 Directions: In the following question, a sentence is given with four words marked as (A), (B), (C) and (D). These words may or may not be placed at their correct places. Four options with different arrangements of these words have been provided. Mark the option with the correct arrangement as the answer. If

no rearrangement is required, mark option (E) as your answer.

In the time that she had **indication (A)** him, he had given no **important (B)** that he was **known (C)** by money or people with **impressed (D)** positions.

(A) CDBA

(B) ADCB

(C) DBCA

(D) CADB

(E) No rearrangement required

Q30 Directions: In the following question, a sentence is given with four words marked as (A), (B), (C) and (D). These words may or may not be placed at their correct places. Four options with different arrangements of these words have been provided. Mark the option with the correct arrangement as the answer. If no rearrangement is required, mark option (E) as your answer.

This is valuable **struggle (A)** as we **avoidance (B)** with how to **engage (C)** early-adopters who demonstrate a high propensity for commercial **information (D)**.

(A) CDAB

(B) DACB

(C) BCAD

(D) DCAB

(E) No rearrangement required

Q31 Directions: In the following question, a sentence is given with four words marked as (A), (B), (C) and (D). These words may or may not be placed at their correct places. Four options with different arrangements of these words have been provided. Mark the option with the correct arrangement as the answer. If no rearrangement is required, mark option (E) as your answer.



At the same time he had no **communicate (A)** contact with ministers, who might **discussion (B)** with him only in **personal (C)** , and for months together never met for the **writing (D)** of business.

- (A) CADB
- (B) DCAB
- (C) CBAD
- (D) BADC
- (E) No rearrangement required

Q32 Directions: In each of the questions given below four sentences are given which may or may not be grammatically correct. Find the sentences which are grammatically or contextually incorrect and choose the options accordingly.

(I) They'd been there for what felt like a day, and yet sun was in the same position as when they'd been thrown into the world.

(II) Rhazes is deservedly remembered as having first described small-pox and measles in an accurate manner.

(III) After breakfast, they all retired to the entry room and gathered around the tree to open presents.

(IV) With these words she greeted Prince Vasili Kuragin, a man of high rank and importance, who was first to arrive at her reception.

- (A) Only (II) and (III)
- (B) Only (II) and (IV)
- (C) Only (I) and (II)
- (D) Only (I) and (III)
- (E) Only (I) and (IV)

Q33 Directions: In each of the questions given below four sentences are given which may or may not be grammatically correct. Find the sentences which are grammatically or

contextually incorrect and choose the options accordingly.

(I) While in Thrace, he is said to have caused the death of Eurydice, who was bitten by a snake while fleeing from him.

(II) She laughed, but ended the conversation. It was the closest they'd ever come to an honest discussion.

(III) The very first Monday, Mr Russell and a man from India called Vishnu played tabla and it sounded great.

(IV) Look, if it said they were moving to south, I'd know they were selling their winter stuff.

- (A) Only (II) and (III)
- (B) Only (I) and (III)
- (C) Only (III) and (IV)
- (D) Only (I) and (IV)
- (E) Only (II)

Q34 Directions: In each of the questions given below four sentences are given which may or may not be grammatically correct. Find the sentences which are grammatically or contextually incorrect and choose the options accordingly.

(I) The Australian flora has extensions at high levels in the tropics; such exists on Kinabalu in Borneo under the equator.

(II) There are many educational podcasts you can listen to that explain many facets of marine life and the biology.

(III) After Alex goes to work and Jonathan goes to the school, Destiny and I do the chores.

(IV) A man does not hear, as in the smart novels, these gems of verbal felicity dropped between diplomats at the dinner.

- (A) Only (I) and (II)
- (B) Only (II), (III) and (IV)



- (C) Only (I), (III) and (IV)
- (D) Only (III) and (IV)
- (E) Only (II) and (III)

Q35 Directions: In each of the questions given below a word is given in bold. This word is then used in each of the four sentences given below. Choose the sentence in which the word is used correctly (the word must be both grammatically and contextually correct).

HOBBLE

- (A) Healthy friendship between Indian cricket team players hobbles well for their chances to win the world cup.
- (B) Airlines industry is hobbling because of cash crunch.
- (C) The players received a flack from administration for the act of hobbling.
- (D) Success can be hobbled by concatenation of wise and timely decisions.
- (E) None of these

Q36 Directions: In each of the questions given below a word is given in bold. This word is then used in each of the four sentences given below. Choose the sentence in which the word is used correctly (the word must be both grammatically and contextually correct).

CONDONE

- (A) The man sought to condone his brother's death by taking the law into his own hands.
- (B) The company flouted environmental regulations by condoning toxic waste into the river.
- (C) Because reporters have to be seen to be morally and politically correct, I cannot condone these actions.
- (D) The report included several condone about the potential risks associated with the proposed investment.
- (E) None of these

Q37 Directions: In each of the questions given below a word is given in bold. This word is then used in each of the four sentences given below. Choose the sentence in which the word is used correctly (the word must be both grammatically and contextually correct).

CLAIRVOYANCE

- (A) A certain amount of clairvoyance is needed to determine whether the problem will be the same after nine days.
- (B) In a one-sided final, Spain clairvoyance against title-holder Croatia 40-34.
- (C) Campaigners claim that the animals are not being kept in humane clairvoyance.
- (D) No damage was apparent from a brain clairvoyance.
- (E) None of these

Q38 Directions: In the following question, the word mentioned at the top is used in five different ways. Choose the option in which the usage of the word is incorrect or inappropriate.

Foster

- (A) The animal shelter works diligently to foster stray dogs and cats until they find their forever homes.
- (B) The organization's mission was to foster child exploitation and promote their well-being.
- (C) The mentor took it upon himself to foster the talents of the young artist and guide their artistic journey.
- (D) The siblings' strong bond was fostered through shared experiences and mutual support.
- (E) The company has policies in place to foster a diverse and inclusive workplace environment.

Q39 Directions: In the following question, the word mentioned at the top is used in five different



ways. Choose the option in which the usage of the word is incorrect or inappropriate.

Naive

- (A) His naive outlook on life made it challenging for him to trust others.
- (B) The newcomer's naive optimism clashed with the experienced team members' realistic expectations.
- (C) It is essential to be cautious in the city, as naive tourists can often be targeted by pickpockets.
- (D) The naive decision to invest all his savings in a risky venture led to financial losses.
- (E) The protagonist's naive view of the world is challenged as they encounter the harsh realities of life.

Q40 Directions: In the following question, the word mentioned at the top is used in five different ways. Choose the option in which the usage of the word is incorrect or inappropriate.

Feasible

- (A) The ambitious project seemed daunting at first, but careful planning made it feasible to achieve.
- (B) Although the idea seemed exciting, it was ultimately feasible to implement.
- (C) Due to time constraints, the elaborate proposal was revised to focus on more feasible solutions.
- (D) The management team discussed the various options and chose the most feasible one to expand the business.
- (E) The eco-friendly initiative proved to be both environmentally beneficial and economically feasible.

Q41 UN released a population report for India. What percentage of India's 15-64 age population is

compared to China's?

- (A) 72%
- (B) 68%
- (C) 35%
- (D) 61%
- (E) 59%

Q42 In January 2024, the Government reduced the windfall tax on crude petroleum. Which taxes are part of the windfall tax?

- (A) Special Additional Excise Duty
- (B) Income Tax
- (C) Corporate Tax
- (D) Sales Tax
- (E) VAT

Q43 The presence of Indian banks overseas increased to 417 through subsidiaries in FY23. Which entities can banks use to operate in foreign countries?

- (A) Representative Offices
- (B) Branches
- (C) Subsidiaries
- (D) Correspondents
- (E) All of the above

Q44 MoSPI launched a new app named "eSakshi" to monitor fund flow under the 'MPLAD' Scheme 2023. What is the limit of funds allocated to each MP at the beginning of the financial year under MPLADS?

- (A) 1 crore
- (B) 3 crore
- (C) 2 crore
- (D) 5 crore
- (E) 4 crore

Q45 Which Union Territory (UT) among the following does not have Regional Rural Banks (RRBs)?

- (A) New Delhi
- (B) Jammu & Kashmir
- (C) Puducherry
- (D) Ladakh
- (E) None of these

Q46



Identify the incorrect option regarding the number of institutions in different banking categories:

- (A) Public Sector Bank - 12
- (B) Small Finance Bank (SFB) - 12
- (C) Regional Rural Bank (RRB) - 43
- (D) Local Area Bank - 3
- (E) Payment Bank - 6

Q47 According to RBI's guidelines on Responsible Lending Conduct, Regulated Entities (REs) must release all original movable/immovable property documents and remove charges registered with any registry within how many days after full repayment/settlement of the loan account?

- (A) 7 days
- (B) 15 days
- (C) 30 days
- (D) 45 days
- (E) 60 days

Q48 Which of the following statements are correct?

A. State Bank of India (SBI), the country's largest lender, raised Rs 3,101 crore through additional tier I bonds (AT1) at a coupon rate of 8.1 percent.
 B. This rate is 15 basis points lower than the coupon rate of its previous AT1 bond issued at 8.25 percent in March.

C. The initial issue size for AT1 bonds was Rs 3,000 crore, with an option to increase up to Rs 7,000 crore.

- (A) Only A
- (B) Both A and C
- (C) Both A and B
- (D) Both B and C
- (E) All A, B and C

Q49 According to Chairman Deepak Mohanty of the Pension Fund Regulatory and Development Authority, the total funds under the National Pension System (NPS) and Atal Pension Yojana (APY) have recently exceeded Rs _____.

- (A) 10 lakh crore
- (B) 11 lakh crore
- (C) 15 lakh crore
- (D) 20 lakh crore
- (E) 25 lakh crore

Q50 The government has reconstituted the central board of trustees of EPFO. What is the tenure of a member of the EPFO Central Board Trustee?

- (A) 1 year
- (B) 4 years
- (C) 5 years
- (D) 2 years
- (E) 3 years

Q51 Which of the following is not under the regulatory purview of SEBI?

- (A) Merchant Bankers
- (B) NSDL
- (C) CRISIL
- (D) CCIL
- (E) Portfolio managers

Q52 According to the new "Guidelines for Regulating Coaching Institutes" released by the Ministry of Education, coaching centers can face penalties of up to _____ or have their registration canceled for charging excessive fees.

- (A) ₹1 lakh
- (B) ₹2 lakh
- (C) ₹5 lakh
- (D) ₹10 lakh
- (E) ₹15 lakh

Q53 In 2023, which of the following unicorns were added?

- (A) Zepto
- (B) Krutrim
- (C) InCred Finance
- (D) Both Zepto and InCred Finance
- (E) Both Krutrim and Zepto

Q54 The Central Board of Directors of the Reserve Bank of India are appointed for a term of _____ years.

- (A) three
- (B) four
- (C) two
- (D) five
- (E) six



- Q55** In January, which company secured the top position among arrangers for Indian offshore loans in 2023?
(A) HSBC Holdings plc
(B) Muthoot Finance
(C) Bajaj Finance
(D) Mahindra & Mahindra Financial Services
(E) None of these
- Q56** Which of the following statements are "correct" regarding the recent release by the Reserve Bank of India (RBI) in September 2023?
A) RBI disclosed the names of 15 Non-Banking Financial Companies (NBFCs) in the Upper Layer (UL)/NBFC-UL under Scale Based Regulation for NBFCs for the year 2023-24.
B) The NBFC-UL (Upper Layer) includes NBFCs specifically identified by the RBI as needing enhanced regulatory requirements based on a set of parameters and scoring methodology.
C) TMF Business Services Limited, previously known as Tata Motors Finance Limited, qualifies as an NBFC-UL (Non-Banking Financial Company - Upper Layer) based on scoring methodology.
(A) Only A
(B) Only A & B
(C) Only B & C
(D) Only A & C
(E) All A, B & C
- Q57** Which sport is Ayhika Mukherjee associated with?
(A) Cricket (B) Football
(C) Table Tennis (D) Hockey
(E) Archery
- Q58** Which bank is applying for a banking license in Singapore to establish its first branch in the country?
(A) HDFC Bank (B) ICICI Bank
(C) Axis Bank (D) IndusInd Bank
(E) YES Bank
- Q59** Which insurance companies have been designated as Domestic Systemically Important Insurers (D-SIIs) by IRDAI?
(A) Life Insurance Company
(B) General Insurance Corporation of India
(C) New India Assurance Co
(D) Only 1 & 2
(E) All of the above
- Q60** Which bank recently signed an MoU with Indian Renewable Energy Development Agency Limited to create a platform for co-lending and loan syndication aimed at various renewable energy projects across India?
(A) State Bank of India
(B) Indian Overseas Bank
(C) Bank of India
(D) Union Bank of India
(E) Bank of Baroda
- Q61** In the 'States Startup Ranking Framework 2022' results, which category was not awarded a ranking?
(A) Best Performers
(B) Sportsperson
(C) Top Performers
(D) Leaders
(E) Aspiring Leaders
- Q62** In March 2020, the Government of India established a 21-member high-level technical committee to advise on preventive and control measures for the COVID-19 pandemic. Who was appointed as the head of this committee?
(A) Randeep Guleria
(B) Sujeet Singh
(C) Sanjay Pujari
(D) Rajan Khobragade
(E) V K Paul



Q63 Which bank has recently (January 2024) partnered with the Reserve Bank Innovation Hub and DLabs at the Indian School of Business (ISB), Hyderabad to introduce "Build for Billions," a startup accelerator program?

- (A) Union Bank of India
- (B) Bank of India
- (C) Bank of Baroda
- (D) Bank of Maharashtra
- (E) Canara Bank

Q64 For both savings and current accounts, they are considered dormant if there are no transactions for a period exceeding _____ years.

- (A) 5
- (B) 3
- (C) 1
- (D) 2
- (E) 4

Q65 How many manned missions has NASA conducted on the moon?

- (A) 3
- (B) 4
- (C) 5
- (D) 6
- (E) 9

Q66 India recently signed an agreement with CAMYEN company from which country for a Lithium Exploration & Mining Project? The agreement aims to explore two identified areas for future lithium extraction projects.

- (A) Egypt
- (B) Brazil
- (C) Argentina
- (D) Mexico
- (E) Morocco

Q67 Who can participate on the TReDS platform?

- (A) MSME Sellers
- (B) MSME Buyers
- (C) Financiers
- (D) Insurance Companies
- (E) All of the Above

Q68

Which ministry has initiated the Education and Research Network of India (ERNET) portal to provide domain registration and Domain Name System (DNS) services for educational institutions across India?

- (A) Ministry of Communications and Information Technology
- (B) Ministry of Electronics & Information Technology (MeitY)
- (C) Ministry of Science and Technology
- (D) Ministry of Education
- (E) Ministry of Home Affairs

Q69 Which individual among the following has not acted as a Sherpa at the G20 summit?

- (A) Shaktikanta Das
- (B) Suresh Prabhu
- (C) Piyush Goel
- (D) Amitabh Kant
- (E) Dharmendra Pradhan

Q70 State Bank of India (SBI) raised how much crore through its second Basel III compliant Additional Tier 1 bond issuance for the current financial year at a coupon rate of 8.34%?

- (A) 3000
- (B) 5000
- (C) 7500
- (D) 10000
- (E) 11000

Q71 In which architectural style has the Ayodhya Ram Janmabhoomi Mandir been constructed?

- (A) Nagara
- (B) Dravida
- (C) Vesara
- (D) Panchayatana
- (E) None

Q72 PFRDA has announced changes to the National Pension Scheme (NPS) Rules. Under these new rules, NPS account holders will be able to withdraw up to what percentage of the money from their deposited pension fund?



- (A) 40% (B) 50%
 (C) 55% (D) 60%
 (E) 65%

Q73 According to the 2024 Brands Report, which IT service brand was identified as the world's most valuable?

- (A) Accenture (B) TCS
 (C) Infosys (D) IBM Consulting
 (E) Oracle

Q74 With which country has the National Payments Corporation of India (NPCI) established a connection, allowing Indians to receive real-time remittances directly into their bank accounts via UPI?

- (A) United States (B) Singapore
 (C) United Kingdom (D) Australia
 (E) Maldives

Q75 S&P Global forecasts a decline in Indian banks' non-performing assets (NPAs) to what percentage by the end of Fiscal Year 2023-24, and a further reduction to 3.5% by the end of Fiscal Year 2024-25?

- (A) 2.5 (B) 3.75
 (C) 3.90 (D) 4.5
 (E) None of these

Q76 In the 2023 Men's Cricket World Cup, which country did the Netherlands defeat?

- (A) South Africa, Pakistan
 (B) Bangladesh, South Africa
 (C) Afghanistan, Bangladesh
 (D) Sri Lanka, Afghanistan
 (E) India, Australia

Q77 Which company, in January, signed a Memorandum of Understanding (MoU) with NPCI International Payments Ltd (NIPL) to extend the Unified Payments Interface (UPI) globally?

- (A) PhonePe (B) Paytm
 (C) MobiKwik (D) BharatPe
 (E) Google Pay

Q78 PM Modi launched the first installment of PM-JAYMAN for 1 lakh beneficiaries across how many communities in 18 states and the Union Territory (UT) of Andaman and Nicobar Islands?

- (A) 73 (B) 70
 (C) 74 (D) 72
 (E) 75

Q79 Which of the statements given below correctly refers to the term "deepfake", recently seen in the news?

- (A) Deepfakes are naturally occurring geological formations that represent an interesting feature in satellite imagery.
 (B) Deepfake technology involves the use of basic information technology tools to enhance the quality of pixelated images.
 (C) Deepfakes refers to the use of artificial intelligence to manipulate or fabricate visual and audio content with high precision.
 (D) Deepfakes are traditional media - video, audio, and images, edited solely by professional artists to create entertainment content.
 (E) None of the Above

Q80 During the visit of Union Minister of External Affairs Subrahmanyam Jaishankar to Iran in January 2024, Persian (Farsi) was recognized as the _____ classical language of India.

- (A) 5th (B) 6th
 (C) 7th (D) 8th
 (E) 9th

Q81 Which company recently received the Best Green Bond - Corporate Award at The Asset Triple A Awards for Sustainable Finance 2024?

- (A) NTPC Limited



- (B) Coal India Limited
 (C) Oil and Natural Gas Corporation Limited
 (D) REC Limited
 (E) Power Finance Corporation

Q82 Up to what annual household income is a microfinance loan typically provided, defined as a collateral-free loan?

- (A) ₹1,00,000 (B) ₹2,00,000
 (C) ₹3,00,000 (D) ₹4,00,000
 (E) ₹5,00,000

Q83 What is the name of the portal launched by the RBI to monitor unclaimed deposits?

- (A) UDGAM (B) RUPIYA
 (C) JANM (D) UDAY

(E) ANTARDRISHTI

Q84 Consider the following statements about the Dark Sky Park:

1. An International Dark-Sky Park (IDSP) is a land possessing an exceptional or distinguished quality

of starry nights and a nocturnal environment, that is specifically protected for its scientific, natural, educational, and/or cultural heritage resource, and/or for public enjoyment.

2. Dark Sky Place certification focuses on lighting policy, dark sky-friendly retrofits, outreach and education, and

monitoring the night sky.

3. The Pench Tiger Reserve (PTR) in Maharashtra has been marked as India's first Dark Sky Park and the fifth such park in Asia.

How many of the statements given above are correct?

- (A) Only 1
 (B) Only 2
 (C) Only 3
 (D) Only 1 and 3
 (E) All of the above

Q85 How much did the Ministry of Defence recently approve to purchase about 6,400 rockets for the Pinaka Multi-Barrel Rocket Launcher (MBRL) systems?

- (A) Rs 2,700 crore (B) Rs 2,800 crore
 (C) Rs 2,150 crore (D) Rs 1,900 crore
 (E) Rs 2,900 crore

Q86 Till when will the National Quantum Mission (NQM), approved by the Union Cabinet at a total cost of Rs. 6003.65 crore from 2023-24, aim to seed, nurture, and scale up scientific and industrial R&D in Quantum Technology (QT)?

- (A) 2028-2029 (B) 2025-26
 (C) 2035-36 (D) 2030-31

(E) 2036-38

Q87 Which company among the following did not receive SEBI approval for raising funds through IPOs in 2023?

- (A) Indian Renewable Energy Development Agency
 (B) Ganviz Enterprises
 (C) Both Indian Renewable Energy Development Agency and Ganviz Enterprises
 (D) Suraj Estate Developers
 (E) None of these

Q88 Which bank was recently recognized as the Best Technology Bank of the Year at the 19th IBA Annual Banking Technology Conference, Expo, & Citations?



- (A) City Union Bank
- (B) Indian Bank
- (C) Punjab National Bank
- (D) State Bank of India
- (E) South Indian Bank

Q89 What is the maximum limit under the Liberalized Remittance Scheme (LRS)?

- (A) USD 25,000
- (B) USD 50,000
- (C) USD 1,50,000
- (D) USD 2,50,000
- (E) USD 3,50,000

Q90 Under the GST Regime, an e-way bill must be generated for inter-state transport of goods when the value of the consignment exceeds:

- (A) Rs. 25000
- (B) Rs. 30000
- (C) Rs. 50000
- (D) Rs. 1 lakh
- (E) There is no such threshold limit

Q91 Study the following information carefully and answer the questions accordingly.

Seema went to collect the information of people in different days who live in building X. Building X has 13 floors. The floor which is at the bottommost position is numbered as 1, the floor above it is numbered as 2 and so on. However due to some emergency she was not able to collect all the required information. Below is the description of the information she collected.

Note: None of the floor is vacant.

Charan lives on a prime numbered floor above the 3rd floor. Aman, who gives the information on Saturday, lives three floors below Charan. Deepa lives immediately below the one, who gives the information on Thursday. There are three floors between Aman and Deepa. The one who gives the information on Thursday doesn't

live on the 9th floor and 5th floor. There are four floors between Bhuv and the one, who gives the information on Friday. Bhuv, who doesn't give information on Thursday, lives above Charan. The one who gives the information on Friday, doesn't live on a prime numbered floor. There are three floors between Farah and Elia, who gives the information on Monday. Elia lives above Farah. There are odd number of floors between Bhuv and Farah. Bhuv and Farah do not live on adjacent floors. Gyan, who gives the information on Wednesday, lives immediately above Hank. Gyan lives on an even numbered floor but not the 4th floor. Ian, who gives the information on Tuesday, lives two floors above Jack. Jack does not live on the bottommost floor.

Four of the following five are related to each other in some way and thus formed a group. Choose the one which does not belong to that group.

- (A) Charan
- (B) Deepa
- (C) Gyan
- (D) Hank
- (E) Ian

Q92 Study the following information carefully and answer the questions accordingly.

Seema went to collect the information of people in different days who live in building X. Building X has 13 floors. The floor which is at the bottommost position is numbered as 1, the floor above it is numbered as 2 and so on. However due to some emergency she was not able to collect all the required information. Below is the description of the information she collected.

Note: None of the floor is vacant.

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Deepa lives immediately below the one, who gives the information on Thursday. There are three floors between Aman and Deepa. The one who gives the information on Thursday doesn't live on the 9th floor and 5th floor. There are four floors between Bhuv and the one, who gives the information on Friday. Bhuv, who doesn't give information on Thursday, lives above Charan. The one who gives the information on Friday, doesn't live on a prime numbered floor. There are three floors between Farah and Elia, who gives the information on Monday. Elia lives above Farah. There are odd number of floors between Bhuv and Farah. Bhuv and Farah do not live on adjacent floors. Gyan, who gives the information on Wednesday, lives immediately above Hank. Gyan lives on an even numbered floor but not the 4th floor. Ian, who gives the information on Tuesday, lives two floors above Jack. Jack does not live on the bottommost floor.

How many persons live below Gyan?

- (A) Six (B) Eight
(C) Five (D) Seven
(E) None of these

Q93 Study the following information carefully and answer the questions accordingly.

Seema went to collect the information of people in different days who live in building X. Building X has 13 floors. The floor which is at the bottommost position is numbered as 1, the floor above it is numbered as 2 and so on. However due to some emergency she was not able to collect all the required information. Below is the description of the information she collected.

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on Saturday, lives three floors below Charan. Deepa lives immediately below the one, who gives the information on Thursday. There are three floors between Aman and Deepa. The one who gives the information on Thursday doesn't live on the 9th floor and 5th floor. There are four floors between Bhuv and the one, who gives the information on Friday. Bhuv, who doesn't give information on Thursday, lives above Charan. The one who gives the information on Friday, doesn't live on a prime numbered floor. There are three floors between Farah and Elia, who gives the information on Monday. Elia lives above Farah. There are odd number of floors between Bhuv and Farah. Bhuv and Farah do not live on adjacent floors. Gyan, who gives the information on Wednesday, lives immediately above Hank. Gyan lives on an even numbered floor but not the 4th floor. Ian, who gives the information on Tuesday, lives two floors above Jack. Jack does not live on the bottommost floor.

How many persons live between Aman and the one, who gives the information on Tuesday?

- (A) Nine (B) Eight
(C) Seven (D) Six
(E) Five

Q94 Study the following information carefully and answer the questions accordingly.

Seema went to collect the information of people in different days who live in building X. Building X has 13 floors. The floor which is at the bottommost position is numbered as 1, the floor above it is numbered as 2 and so on. However due to some emergency she was not able to collect all the required information. Below is the description of the information she collected.

Note: None of the floor is vacant.



Charan lives on a prime numbered floor above the 3rd floor. Aman, who gives the information on Saturday, lives three floors below Charan. Deepa lives immediately below the one, who gives the information on Thursday. There are three floors between Aman and Deepa. The one who gives the information on Thursday doesn't live on the 9th floor and 5th floor. There are four floors between Bhuv and the one, who gives the information on Friday. Bhuv, who doesn't give information on Thursday, lives above Charan. The one who gives the information on Friday, doesn't live on a prime numbered floor. There are three floors between Farah and Elia, who gives the information on Monday. Elia lives above Farah. There are odd number of floors between Bhuv and Farah. Bhuv and Farah do not live on adjacent floors. Gyan, who gives the information on Wednesday, lives immediately above Hank. Gyan lives on an even numbered floor but not the 4th floor. Ian, who gives the information on Tuesday, lives two floors above Jack. Jack does not live on the bottommost floor.

Who among the following lives immediately below Ian?

- (A) Jack (B) Farah
(C) Gyan (D) Bhuv
(E) None of these

Q95 Study the following information carefully and answer the questions accordingly.

Seema went to collect the information of people in different days who live in building X. Building X has 13 floors. The floor which is at the bottommost position is numbered as 1, the floor above it is numbered as 2 and so on. However due to some emergency she was not able to collect all the required information. Below is the

description of the information she collected.

Note: None of the floor is vacant.

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Who among the following lives three floors above Hank?

- (A) Eliah (B) Charan
(C) Jack (D) Deepa
(E) None of these

Q96 Directions:Each of the questions below consists of a question and two statements numbered I, II and III are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question:

Eight persons B, C, D, E, F, G, H and J were born one after another. How many persons were born



after G?

I. B was born just before C. G was not born at the fourth position.

II. Neither C nor J was born first. B and C was not born at last. D and E was not born at 5th position.

III. B was the fourth person who was born after J and J was born just before F. C was born after B who was born after H but not just after H.

(A) Only statement I and II is sufficient

(B) Any two statements are sufficient

(C) All the statements are sufficient

(D) Only statement I and III is sufficient

(E) None of the statements is sufficient

Q97 Directions:Each of the questions below consists of a question and two statements numbered I, II and III are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question:

Eight persons X, U, V, T, D, K, R and S are staying in a eight storey building in which lowermost floor is numbered one and the top most floor is numbered is eight. U stays on the 6th floor. Who stays immediately below X?

I. X neither stays on prime numbered floor not on the top most floor. Only one person stays between X and K. N stays somewhere above U.

II. No two persons who are consecutive in the alphabetical order stays adjacent to each other. T stays on lowermost floor.

III. Five persons stays between D and T, at least four people stay above T. R stays somewhere above X.

(A) Only statement I and II is sufficient

(B) Only statement I and III is sufficient

(C) All the statements are required to answer the question.

(D) Any two statements are sufficient.

(E) None of the statement is sufficient

Q98 Each of the questions below consists of a question and some statements numbered given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read all the statements and answer the following questions.

Eight persons i.e. A, B, C, D, E, F, G and H were born either on 15th or 20th on four different months i.e. January, February, March and April. (not necessarily in the same order). Who among the following was born on 20th February?

I. Four persons were born between A and H. C was born in one of the months which has 31 days and was also born before H. E was born just before H.

II. There are three persons born between B and F, both of them were born on the 20th date of the month. B was born just before A and just after G. B was born in January.

III. There are two persons born between A and G. C was not born on the 15th date of the month. G was not born just before E.

(A) If the data in statement I alone or in statement II alone or statement III alone is sufficient to answer the question.

(B) If the data in statement I and II together are sufficient to answer the question, while the data in statement III are not sufficient to answer the question.

(C) If the data in statement I and III together are sufficient to answer the question, while the data in statement II is not sufficient to answer the question.

(D) If the data in statement II and III together are sufficient to answer the question, while the data in statement I is not sufficient to answer the question.

(E) If the data in all the statements I, II and III together are necessary to answer the



question.

Q99 Each of the questions below consists of a question and two statements numbered I, II and III are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question:

Seven persons K, L, M, N, O, P, and U are living in seven different floors. Ground floor is numbered as one and the above floor is numbered as two and so on till the topmost floor is numbered as seven. Then P lives on which floors?

- I. O lives on the odd numbered floor below K. Only two persons lives above M.
 II. There are two floors between where N and K lives. U does not live in the even numbered floor. O lives immediately above L who lives in the odd numbered floor.
 III. K lives on an even numbered floor. N lives below third floor. P lives below M. M lives two floors below U.
- (A) Only statement I and II is sufficient.
 (B) Any two statements are sufficient.
 (C) Only statement I and III is sufficient.
 (D) All statements are required to answer the question.
 (E) None of the statements is sufficient to answer

Q100 Directions:Below questions consist of some statements followed by some conclusions. Study the following information carefully and decide which of the following conclusions logically follows.

- “A@B” means “Only a few A are B”.
 “A%B” means “Some A are B”.
 “A\$B” means “No B is A”.
 “A&B” means “All B are A”.
 “A#B” means “Only B is A”.

Statement:

E @ C, B & C, B @ D, A & D

Conclusions:

- I. Some C can never be A.
 II. Some D are not E is a possibility.
 III. Some A are not B.
- (A) Both I and II follow
 (B) Only II follows
 (C) Both I and III follow
 (D) All I, II, and III follow
 (E) None follows

Q101 Directions:Below questions consist of some statements followed by some conclusions. Study the following information carefully and decide which of the following conclusions logically follows.

- “A@B” means “Only a few A are B”.
 “A%B” means “Some A are B”.
 “A\$B” means “No B is A”.
 “A&B” means “All B are A”.
 “A#B” means “Only B is A”.

Statement:

T @ Q \$ S & R % P

Conclusions:

- I. Some T are not R.
 II. Some P are not Q is a possibility.
 III. Some T are S is not a possibility.
- (A) Both I and II follow
 (B) Only I follows
 (C) Both I and III follow
 (D) All I, II, and III follow
 (E) None follows

Q102 Directions:Below questions consist of some statements followed by some conclusions. Study the following information carefully and decide which of the following conclusions logically follows.



“A@B” means “Only a few A are B”.

“A%B” means “Some A are B”.

“A\$B” means “No B is A”.

“A&B” means “All B are A”.

“A#B” means “Only B is A”.

Statement:

U & S \$ R % Q & P @ T

Conclusions:

I. Some T are not U.

II. Some Q are not T.

III. Some P can never be S.

(A) Both I and II follow

(B) Only II follows

(C) Both I and III follow

(D) All I, II, and III follow

(E) None follows

Q103 In each of the following questions, a statement is followed by two conclusions. You have to assume everything in the statement to be true and then decide which of the two given conclusions logically followed beyond a reasonable doubt.

Statement:

When we contrast the government's stance on these two areas, the differences between the issues with rural and urban growth are evidently different.

Conclusions:

I. The government views rural development more favourably than urban development.

II. The government views urban development more favourably than rural development.

(A) Only I

(B) Only II

(C) Both follow

(D) Either I or II

(E) None follows

Q104

In the following question, two statements A and B are given. These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choices correctly depicts the relationship between these two statements.

A: There's a lot of political uncertainty in the country.

B: The country faces its worst economic crisis of the decade.

(A) If statement A is the cause and statement B is its effect.

(B) If statement B is the cause and statement A is its effect.

(C) If both the statements A and B are independent causes.

(D) If both the statements A and B are effects of independent causes.

(E) None of these

Q105 Study the following questions carefully and choose the right answer:

Statement: As now COVID cases are going down and people are vaccinated, should we stop using face masks in public places ?

Arguments :

I. No, while the number of cases may be going down in some areas, the virus is still present and spreading in many places. Wearing a face mask can help protect us and others from getting infected with the virus.

II. No, it is not yet known how much protection the vaccines provide against the transmission of the virus. Wearing a face mask can help to



protect both the individual wearing it and those around them.

- (A) Only I is strong
- (B) Only II is strong
- (C) Either I or II is strong
- (D) Neither I nor II is strong
- (E) Both I and II are strong

Q106 Directions:In the question below a statement is given and is followed by three courses of action numbered I, II and III. You have to assume everything in the statement to be true and based on the information given in the statement, decide which of the suggested course(s) of action logically follow(s).

Statement:

Kargil was a costly victory by any yardstick, only made possible by superhuman junior leadership. Military action along and across the Myanmar India border against insurgents, the faceoff at Doklam and counter terrorist strikes by special forces represented a new paradigm of decisive limited military action as a means of political signaling. The government of the day has indicated its intent to migrate from a reactive approach to a more proactive and preventive strategy.

Course of Action:

I. The country needs to have a military that is nimble in thought and action with cutting-edge technology and synergized joint strategies across land, maritime, aerospace and cyber domains.

II. Transform or perish should be the main mantra for national security in the coming few years.

III. Diplomacy should be the mainstay strategy to deal with terrorism.

- (A) Both I and III follow
- (B) Only III follows
- (C) Both I and II follow
- (D) Both II and III follow

(E) Only II follows

Q107 In the question below, there is a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Statement: Government of India banned a few dangerous games that took lives of young people.

Assumptions:

I. Those games were harmful to only children.

II. Residents of outside India can play those games.

- (A) Only I is implicit
- (B) Only II is implicit
- (C) Either I or II is implicit
- (D) Neither I nor II is implicit
- (E) Both I and II are implicit

Q108 In the following question, two statements A and B are given. These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choices correctly depicts the relationship between these two statements.

A: Animal hide import has grown manifold in Kanpur.

B: The leather industry in Kanpur has increased production by 50%.

- (A) If statement A is the cause and statement B is its effect.
- (B) If statement B is the cause and statement A is its effect.



- (C) If both the statements A and B are independent causes.
 (D) If both the statements A and B are effects of independent causes.
 (E) None of these

Q109 Directions: Study the following information carefully and answer the given questions.

Ten persons sits in two parallel rows with 5 persons in each row. Row 1 has A, B, C, D and E facing north and row 2 has P, Q, R, S and T facing south. These persons belong to a three-generation family. A sits 2nd from one of the ends. R faces immediate neighbour of A's niece. E's mother-in-law sits opposite to the one who sits 3rd to the right of A. One person sits between A and her sister-in-law. B is married to E who has one child. R sits to the right of T. Q is married. A's son sits immediate right of A. B's father faces A who has two children one son and one daughter. P and her granddaughter Q are not sitting together. Three persons sits between B and the person sitting opposite to Q's father. C and D are unmarried. C does not sit next to E. Find the odd one according to their position.

- (A) S (B) R
 (C) P (D) C
 (E) B

Q110 Directions: Study the following information carefully and answer the given questions.

Ten persons sits in two parallel rows with 5 persons in each row. Row 1 has A, B, C, D and E facing north and row 2 has P, Q, R, S and T facing south. These persons belong to a three-generation family. A sits 2nd from one of the ends. R faces immediate neighbour of A's niece. E's mother-in-law sits opposite to the one who sits 3rd to the right of A. One person sits between A and her sister-in-law. B is married to E who has one child. R sits to the right of T. Q is

married. A's son sits immediate right of A. B's father faces A who has two children one son and one daughter. P and her granddaughter Q are not sitting together. Three persons sits between B and the person sitting opposite to Q's father. C and D are unmarried. C does not sit next to E.

How C is related to Q?

- (A) Mother (B) Son
 (C) Cousin (D) Sister
 (E) None of these

Q111 Directions: Study the following information carefully and answer the given questions.

Ten persons sits in two parallel rows with 5 persons in each row. Row 1 has A, B, C, D and E facing north and row 2 has P, Q, R, S and T facing south. These persons belong to a three-generation family. A sits 2nd from one of the ends. R faces immediate neighbour of A's niece. E's mother-in-law sits opposite to the one who sits 3rd to the right of A. One person sits between A and her sister-in-law. B is married to E who has one child. R sits to the right of T. Q is married. A's son sits immediate right of A. B's father faces A who has two children one son and one daughter. P and her granddaughter Q are not sitting together. Three persons sits between B and the person sitting opposite to Q's father. C and D are unmarried. C does not sit next to E.

How P is related to E?

- (A) Father-in-law
 (B) Mother-in-law
 (C) Sister-in-law
 (D) Daughter
 (E) Daughter-in-law

Q112 Directions: Study the following information carefully and answer the given questions.

Ten persons sits in two parallel rows with 5 persons in each row. Row 1 has A, B, C, D and E facing north and row 2 has P, Q, R, S and T facing



south. These persons belong to a three-generation family. A sits 2nd from one of the ends. R faces immediate neighbour of A's niece. E's mother-in-law sits opposite to the one who sits 3rd to the right of A. One person sits between A and her sister-in-law. B is married to E who has one child. R sits to the right of T. Q is married. A's son sits immediate right of A. B's father faces A who has two children one son and one daughter. P and her granddaughter Q are not sitting together. Three persons sits between B and the person sitting opposite to Q's father. C and D are unmarried. C does not sit next to E.

How T is related to A?

- (A) Son (B) Husband
(C) Brother (D) Father
(E) Son-in-law

Q113 Directions: Study the following information carefully and answer the given questions.

Ten persons sits in two parallel rows with 5 persons in each row. Row 1 has A, B, C, D and E facing north and row 2 has P, Q, R, S and T facing south. These persons belong to a three-generation family. A sits 2nd from one of the ends. R faces immediate neighbour of A's niece. E's mother-in-law sits opposite to the one who sits 3rd to the right of A. One person sits between A and her sister-in-law. B is married to E who has one child. R sits to the right of T. Q is married. A's son sits immediate right of A. B's father faces A who has two children one son and one daughter. P and her granddaughter Q are not sitting together. Three persons sits between B and the person sitting opposite to Q's father. C and D are unmarried. C does not sit next to E.

Who sits opposite to the one who sits immediate left of R?

- (A) A (B) B
(C) C (D) D

(E) E

Q114 Study the following information carefully and answer the questions accordingly.

Seven people A, B, C, D, E, F, G bought a shirt of different colour among red, green, white, pink, blue, yellow and brown. It is known that they bought the shirt on different days of the week starting from Sunday. B bought red shirt before the brown shirt was bought. Only one person bought a shirt between D and the person who bought green shirt. The yellow shirt was bought after the blue shirt. The pink shirt was bought immediately before A bought the shirt. The brown shirt was bought on Wednesday. Neither D nor E bought the white shirt. D bought a shirt after A but was not the last person to buy a shirt. Two people bought a shirt between A and B. E bought the shirt after F but before C. F did not buy shirt on Monday.

On which day did B buy the shirt?

- (A) Sunday (B) Tuesday
(C) Monday (D) Thursday
(E) Friday

Q115 Study the following information carefully and answer the questions accordingly.

Seven people A, B, C, D, E, F, G bought a shirt of different colour among red, green, white, pink, blue, yellow and brown. It is known that they bought the shirt on different days of the week starting from Sunday. B bought red shirt before the brown shirt was bought. Only one person bought a shirt between D and the person who bought green shirt. The yellow shirt was bought after the blue shirt. The pink shirt was bought immediately before A bought the shirt. The brown shirt was bought on Wednesday. Neither



D nor E bought the white shirt. D bought a shirt after A but was not the last person to buy a shirt. Two people bought a shirt between A and B. E bought the shirt after F but before C. F did not buy shirt on Monday.

The number of people who bought the shirt before D is same as the number of people who bought a shirt after _____

- (A) A (B) F
(C) E (D) G
(E) B

Q116 Study the following information carefully and answer the questions accordingly.

Seven people A, B, C, D, E, F, G bought a shirt of different colour among red, green, white, pink, blue, yellow and brown. It is known that they bought the shirt on different days of the week starting from Sunday. B bought red shirt before the brown shirt was bought. Only one person bought a shirt between D and the person who bought green shirt. The yellow shirt was bought after the blue shirt. The pink shirt was bought immediately before A bought the shirt. The brown shirt was bought on Wednesday. Neither D nor E bought the white shirt. D bought a shirt after A but was not the last person to buy a shirt. Two people bought a shirt between A and B. E bought the shirt after F but before C. F did not buy shirt on Monday.

Which of the following pairs is incorrect?

- (A) D-BLUE (B) SUNDAY-RED
(C) C-YELLOW (D) PINK-TUESDAY
(E) G-WHITE

Q117 Study the following information carefully and answer the questions accordingly.

Seven people A, B, C, D, E, F, G bought a shirt of different colour among red, green, white, pink, blue, yellow and brown. It is known that they bought the shirt on different days of the week starting from Sunday. B bought red shirt before the brown shirt was bought. Only one person bought a shirt between D and the person who bought green shirt. The yellow shirt was bought after the blue shirt. The pink shirt was bought immediately before A bought the shirt. The brown shirt was bought on Wednesday. Neither D nor E bought the white shirt. D bought a shirt after A but was not the last person to buy a shirt. Two people bought a shirt between A and B. E bought the shirt after F but before C. F did not buy shirt on Monday.

Which of these statements is/are true?

- I. G bought a shirt on Monday
II. D bought yellow coloured shirt
III. Five people bought a shirt before E
(A) Only III
(B) Both II and III
(C) Only I
(D) Both I and III
(E) All are correct

Q118 Study the following information carefully and answer the questions accordingly.

Seven people A, B, C, D, E, F, G bought a shirt of different colour among red, green, white, pink, blue, yellow and brown. It is known that they bought the shirt on different days of the week starting from Sunday. B bought red shirt before the brown shirt was bought. Only one person bought a shirt between D and the person who bought green shirt. The yellow shirt was bought after the blue shirt. The pink shirt was bought immediately before A bought the shirt. The



brown shirt was bought on Wednesday. Neither D nor E bought the white shirt. D bought a shirt after A but was not the last person to buy a shirt. Two people bought a shirt between A and B. E bought the shirt after F but before C. F did not buy shirt on Monday.

Who bought a shirt on Friday?

- (A) D (B) C
(C) E (D) G
(E) None of these

Q119 When given an input line of words and numbers, a word and number arrangement machine rearranges them in each step according to a specific pattern. The following is an illustration of an input and rearrangement.

Input: 376 wants artist 921 soil 428 dent 968

Step I: \$wants\$ >>6 artist 921 soil 428 dent 968

Step II: #soil# 428 \$wants\$ >>6 artist 921 dent 968

Step III: \$dent\$ >2> #soil# 428 \$wants\$ >>6 artist 968

Step IV: #artist# >68 \$dent\$ >2> #soil# 428 \$wants\$ >>6

Step IV is the last step of the rearrangement of the above input.

As per the pattern followed in the above steps, find the output for the given input:

Input: drawer 256 watch 723 trojan 856 467 yarn

How many elements are to the left of 'watch' in the step I?

- (A) 4 (B) 2
(C) 3 (D) 1
(E) None of these

Q120 When given an input line of words and numbers, a word and number arrangement

machine rearranges them in each step according to a specific pattern. The following is an illustration of an input and rearrangement.

Input: 376 wants artist 921 soil 428 dent 968

Step I: \$wants\$ >>6 artist 921 soil 428 dent 968

Step II: #soil# 428 \$wants\$ >>6 artist 921 dent 968

Step III: \$dent\$ >2> #soil# 428 \$wants\$ >>6 artist 968

Step IV: #artist# >68 \$dent\$ >2> #soil# 428 \$wants\$ >>6

Step IV is the last step of the rearrangement of the above input.

As per the pattern followed in the above steps, find the output for the given input:

Input: drawer 256 watch 723 trojan 856 467 yarn

The element 'trojan' is present in _____.

- i. Step IV
ii. Step II
iii. Step III
(A) Only i and iii
(B) Only i
(C) Only ii
(D) Only ii and iii
(E) Only iii

Q121 When given an input line of words and numbers, a word and number arrangement machine rearranges them in each step according to a specific pattern. The following is an illustration of an input and rearrangement.

Input: 376 wants artist 921 soil 428 dent 968

Step I: \$wants\$ >>6 artist 921 soil 428 dent 968

Step II: #soil# 428 \$wants\$ >>6 artist 921 dent 968



Step III: \$dent\$ >2> #soil# 428 \$wants\$ >>6
artist 968

Step IV: #artist# >68 \$dent\$ >2> #soil# 428
\$wants\$ >>6

Step IV is the last step of the rearrangement of
the above input.

As per the pattern followed in the above steps,
find the output for the given input:

**Input: drawer 256 watch 723 trojan 856 467
yarn**

Which is the third element from the right end of
the last step?

- (A) 46> (B) \$watch\$
(C) 2>6 (D) 467
(E) None of these

Q122 When given an input line of words and numbers, a word and number arrangement machine rearranges them in each step according to a specific pattern. The following is an illustration of an input and rearrangement.

Input: 376 wants artist 921 soil 428 dent 968

Step I: \$wants\$ >>6 artist 921 soil 428 dent 968

Step II: #soil# 428 \$wants\$ >>6 artist 921 dent
968

Step III: \$dent\$ >2> #soil# 428 \$wants\$ >>6
artist 968

Step IV: #artist# >68 \$dent\$ >2> #soil# 428
\$wants\$ >>6

Step IV is the last step of the rearrangement of
the above input.

As per the pattern followed in the above steps,
find the output for the given input:

**Input: drawer 256 watch 723 trojan 856 467
yarn**

Which of the following elements is not present in
step III?

- (A) drawer (B) \$trojan\$
(C) watch (D) 46>
(E) None of these

Q123 When given an input line of words and numbers, a word and number arrangement machine rearranges them in each step according to a specific pattern. The following is an illustration of an input and rearrangement.

Input: 376 wants artist 921 soil 428 dent 968

Step I: \$wants\$ >>6 artist 921 soil 428 dent 968

Step II: #soil# 428 \$wants\$ >>6 artist 921 dent
968

Step III: \$dent\$ >2> #soil# 428 \$wants\$ >>6
artist 968

Step IV: #artist# >68 \$dent\$ >2> #soil# 428
\$wants\$ >>6

Step IV is the last step of the rearrangement of
the above input.

As per the pattern followed in the above steps,
find the output for the given input:

**Input: drawer 256 watch 723 trojan 856 467
yarn**

Which of the following shows the correct
sequence of elements in step II?

- (A) 2>6 drawer 723
(B) 856 trojan \$yarn\$
(C) 467 \$yarn\$ 2>6
(D) \$watch\$ 46> trojan
(E) None of these

Q124 Study the following information carefully and answer the questions accordingly.

Examinations were held for eight different subjects, namely Accounts, Biology, Chemistry, Economics, Geography, History, Mathematics, and Physics, in a university from April to



November of a given year, though not necessarily in that order. The top performers in each subject were individuals designated as A, B, G, H, M, N, P, and Q, though not necessarily in that order.

M is top performer in Mathematics. The examination for the subject of Economics was held in the month immediately preceding the month in which the examination for the subject of Geography was held. The examination for the subject of Accounts was conducted in the month of September. M is top performer in one of the months after A. The individual designated as P was the top performer in either the month immediately preceding or immediately following the top performer H. There is one person who is top performer between B and Q. There are three individuals who are top performers between P and G. The exam for Chemistry was held in the month of June. The top performer G was either in the month immediately before or immediately after the top performer N. A is top performer in Physics. N is not the top performer in Accounts. B is top performer in Biology. H is the top performer of the exam which is held in the month of May.

What is the subject of top performer in the month of May?

- (A) History (B) Physics
(C) Chemistry (D) Economics
(E) None of these

Q125 Study the following information carefully and answer the questions accordingly.

Examinations were held for eight different subjects, namely Accounts, Biology, Chemistry, Economics, Geography, History, Mathematics,

and Physics, in a university from April to November of a given year, though not necessarily in that order. The top performers in each subject were individuals designated as A, B, G, H, M, N, P, and Q, though not necessarily in that order.

M is top performer in Mathematics. The examination for the subject of Economics was held in the month immediately preceding the month in which the examination for the subject of Geography was held. The examination for the subject of Accounts was conducted in the month of September. M is top performer in one of the months after A. The individual designated as P was the top performer in either the month immediately preceding or immediately following the top performer H. There is one person who is top performer between B and Q. There are three individuals who are top performers between P and G. The exam for Chemistry was held in the month of June. The top performer G was either in the month immediately before or immediately after the top performer N. A is top performer in Physics. N is not the top performer in Accounts. B is top performer in Biology. H is the top performer of the exam which is held in the month of May.

Which examination was held in the month of April ?

- (A) Physics (B) History
(C) Accounts (D) Biology
(E) None of these

Q126 Study the following information carefully and answer the questions accordingly.

Examinations were held for eight different subjects, namely Accounts, Biology, Chemistry,



Economics, Geography, History, Mathematics, and Physics, in a university from April to November of a given year, though not necessarily in that order. The top performers in each subject were individuals designated as A, B, G, H, M, N, P, and Q, though not necessarily in that order.

M is top performer in Mathematics. The examination for the subject of Economics was held in the month immediately preceding the month in which the examination for the subject of Geography was held. The examination for the subject of Accounts was conducted in the month of September. M is top performer in one of the months after A. The individual designated as P was the top performer in either the month immediately preceding or immediately following the top performer H. There is one person who is top performer between B and Q. There are three individuals who are top performers between P and G. The exam for Chemistry was held in the month of June. The top performer G was either in the month immediately before or immediately after the top performer N. A is top performer in Physics. N is not the top performer in Accounts. B is top performer in Biology. H is the top performer of the exam which is held in the month of May.

Who is top performer in the Economics ?

- (A) G (B) Q
 (C) H (D) P
 (E) None of these

Q127 Study the following information carefully and answer the questions accordingly.

Examinations were held for eight different subjects, namely Accounts, Biology, Chemistry, Economics, Geography, History, Mathematics, and Physics, in a university from April to November of a given year, though not necessarily in that order. The top performers in each subject were individuals designated as A, B, G, H, M, N, P, and Q, though not necessarily in that order.

M is top performer in Mathematics. The examination for the subject of Economics was held in the month immediately preceding the month in which the examination for the subject of Geography was held. The examination for the subject of Accounts was conducted in the month of September. M is top performer in one of the months after A. The individual designated as P was the top performer in either the month immediately preceding or immediately following the top performer H. There is one person who is top performer between B and Q. There are three individuals who are top performers between P and G. The exam for Chemistry was held in the month of June. The top performer G was either in the month immediately before or immediately after the top performer N. A is top performer in Physics. N is not the top performer in Accounts. B is top performer in Biology. H is the top performer of the exam which is held in the month of May.

Who is top performer in the month of August ?

- (A) B (B) Q
 (C) M (D) P
 (E) None of these

Q128 Study the following information carefully and answer the questions accordingly.



Examinations were held for eight different subjects, namely Accounts, Biology, Chemistry, Economics, Geography, History, Mathematics, and Physics, in a university from April to November of a given year, though not necessarily in that order. The top performers in each subject were individuals designated as A, B, G, H, M, N, P, and Q, though not necessarily in that order.

M is top performer in Mathematics. The examination for the subject of Economics was held in the month immediately preceding the month in which the examination for the subject of Geography was held. The examination for the subject of Accounts was conducted in the month of September. M is top performer in one of the months after A. The individual designated as P was the top performer in either the month immediately preceding or immediately following the top performer H. There is one person who is top performer between B and Q. There are three individuals who are top performers between P and G. The exam for Chemistry was held in the month of June. The top performer G was either in the month immediately before or immediately after the top performer N. A is top performer in Physics. N is not the top performer in Accounts. B is top performer in Biology. H is the top performer of the exam which is held in the month of May.

Who is top performer in the month of November ?

- (A) B (B) H
(C) M (D) P
(E) N

Q129 Directions: Study the following information and answer the given questions.

All Consonants are coded numbers (8-1) in descending order. For example, B is coded 8, C is coded 7 and K is coded 1. And again, these numbers are repeated, e.g. V is coded 8, W is coded 7, and Z is coded 4

- Two consecutive vowels in a word are coded @.
- If the first and last letters are Consonants, then the word will start with % and the last letter will be coded the respective number.
- If the first and last letters are Vowels, then those vowels will be coded \$.
- If the first letter is a Consonant but the last letter is a Vowel, all the vowels of the word will be coded @.
- If the first letter is a Vowel but the last letter is a Consonant, all the vowels of the word will be coded &.
- If all the letters are Vowels then all will be coded as '#'

The conditions mentioned above are to be followed in a given order if a word satisfies more than one condition.

What will be the code of 'EDGED' ?

- (A) 64&\$& (B) &64&4
(C) &64&6 (D) 4&6&64
(E) None of these

Q130 Directions: Study the following information and answer the given questions.

All Consonants are coded numbers (8-1) in descending order. For example, B is coded 8, C is coded 7 and K is coded 1. And again, these numbers are repeated, e.g. V is coded 8, W is coded 7, and Z is coded 4

- Two consecutive vowels in a word are coded @.
- If the first and last letters are Consonants, then the word will start with % and the last letter will be coded the respective number.



3. If the first and last letters are Vowels, then those vowels will be coded \$.

4. If the first letter is a Consonant but the last letter is a Vowel, all the vowels of the word will be coded @.

5. If the first letter is a Vowel but the last letter is a Consonant, all the vowels of the word will be coded &.

6. If all the letters are Vowels then all will be coded as '#'

The conditions mentioned above are to be followed in a given order if a word satisfies more than one condition.

What will be the code of 'PEOPLE' ?

- (A) @58@58 (B) @@58@@
 (C) 5@@58@ (D) @@58@8
 (E) None of these

Q131 Directions: Study the following information and answer the given questions.

All Consonants are coded numbers (8-1) in descending order. For example, B is coded 8, C is coded 7 and K is coded 1. And again, these numbers are repeated, e.g. V is coded 8, W is coded 7, and Z is coded 4

- Two consecutive vowels in a word are coded @.
- If the first and last letters are Consonants, then the word will start with % and the last letter will be coded the respective number.
- If the first and last letters are Vowels, then those vowels will be coded \$.
- If the first letter is a Consonant but the last letter is a Vowel, all the vowels of the word will be coded @.
- If the first letter is a Vowel but the last letter is a Consonant, all the vowels of the word will be coded &.

6. If all the letters are Vowels then all will be coded as '#'

The conditions mentioned above are to be followed in a given order if a word satisfies more than one condition.

What will be the code of 'LOOTCASE' ?

- (A) @@17@@7 (B) @@17@7@2
 (C) 8@@17@2@ (D) 8@@12@@2
 (E) None of these

Q132 Directions: Study the following information and answer the given questions.

All Consonants are coded numbers (8-1) in descending order. For example, B is coded 8, C is coded 7 and K is coded 1. And again, these numbers are repeated, e.g. V is coded 8, W is coded 7, and Z is coded 4

- Two consecutive vowels in a word are coded @.
- If the first and last letters are Consonants, then the word will start with % and the last letter will be coded the respective number.
- If the first and last letters are Vowels, then those vowels will be coded \$.
- If the first letter is a Consonant but the last letter is a Vowel, all the vowels of the word will be coded @.
- If the first letter is a Vowel but the last letter is a Consonant, all the vowels of the word will be coded &.
- If all the letters are Vowels then all will be coded as '#'

The conditions mentioned above are to be followed in a given order if a word satisfies more than one condition.

What will be the code of 'ABODING' ?

- (A) &6&64&4
 (B) &6&64&8



- (C) $8 \times 6 \times 64$
 (D) 648×64
 (E) None of these

Q133 Directions : Study the following information carefully and answer the questions given below.

A@B is written as A is not greater than B.
 A\$B is written as A is not smaller than B.
 A&B is written as A is neither greater than nor equal to B.
 A%B is written as A is neither smaller than nor equal to B.
 A#B is written as A is equal to B.

Statements:

S % L \$ H # N & F @ G; B # N % P \$ R # K & T

Conclusions:

- I. G % R
 II. P & L
 III. T % H
 (A) Only I
 (B) Only II
 (C) Both I and II
 (D) Both I and III
 (E) Both II and III

Q134 Directions : Study the following information carefully and answer the questions given below.

A@B is written as A is not greater than B.
 A\$B is written as A is not smaller than B.
 A&B is written as A is neither greater than nor equal to B.
 A%B is written as A is neither smaller than nor equal to B.
 A#B is written as A is equal to B.

Statements:

N & H # J % V \$ K; L @ P # J & E @ F; B # E & S @ Q

Conclusions:

- I. K @ B

- II. Q % V
 III. S \$ L
 (A) Only I
 (B) Only II
 (C) Both I and III
 (D) Both II and III
 (E) None is true

Q135 Directions : Study the following information carefully and answer the questions given below.

A@B is written as A is not greater than B.
 A\$B is written as A is not smaller than B.
 A&B is written as A is neither greater than nor equal to B.
 A%B is written as A is neither smaller than nor equal to B.
 A#B is written as A is equal to B.

Statements:

T @ G & C # R @ W & E; Y # C \$ Q % X \$ U # V;
 M % D # V \$ N % L # I

Conclusions:

- I. E % L
 II. M \$ Q
 II. Y % G
 (A) Only I
 (B) Only III
 (C) Both I and II
 (D) Both I and III
 (E) Both II and III

Q136 Which of the following is the second letter from the left end of the meaningful word formed by the 1st, 3rd, 5th, and 6th letter of the word "DRAWER" If more than one word is formed mark X as your answer. If no such word is formed mark Y as your answer?

- (A) R (B) D
 (C) E (D) X
 (E) Y



Q137 Directions: Answer the questions based on the information given below:

If Q # means Q is not a male, Q% means Q is not a female.

P @ Q means P is married to Q.

P & Q means P and Q are siblings of the same genders.

P \$ Q means P and Q are siblings of different genders.

P ! Q means P is the parent of Q

Note: W is the niece of X. There are seven members in the family.

R%; T#; R @ S; X \$ T; R ! T; V ! W; S & U

How is T related to U?

- (A) Niece (B) Nephew
(C) Sister (D) Daughter
(E) None of these

Q138 Directions: Answer the questions based on the information given below:

If Q # means Q is not a male, Q% means Q is not a female.

P @ Q means P is married to Q.

P & Q means P and Q are siblings of the same genders.

P \$ Q means P and Q are siblings of different genders.

P ! Q means P is the parent of Q

Note: W is the niece of X. There are seven members in the family.

R%; T#; R @ S; X \$ T; R ! T; V ! W; S & U

How is T related to W?

- (A) Mother (B) Aunt
(C) Father (D) Uncle
(E) None of these

Q139

Directions: Answer the questions based on the information given below:

If Q # means Q is not a male, Q% means Q is not a female.

P @ Q means P is married to Q.

P & Q means P and Q are siblings of the same genders.

P \$ Q means P and Q are siblings of different genders.

P ! Q means P is the parent of Q

Note: W is the niece of X. There are seven members in the family.

R%; T#; R @ S; X \$ T; R ! T; V ! W; S & U

How is U related to X?

- (A) Aunt (B) Uncle
(C) Nephew (D) Sister
(E) None of these

Q140 If all the digits of the number "452647162" are added by 1, then there are ____ odd digits in the number after modification.

- (A) Four
(B) Three
(C) Five
(D) Six
(E) None of the above

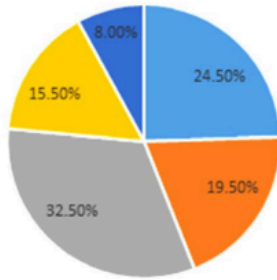
Directions (141-145) Read the following passage and answer the given questions.

Read the data carefully and answer the following questions.

The first pie chart below shows the percentage distribution of total number of shoes (branded and local) sold by 5 stores in 2021 while the second pie chart shows the distribution of number of local shoes sold by 5 stores in 2021.

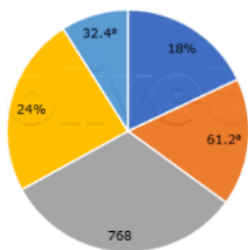


total number of shoes sold in 2021 in
5400



store P store Q store R store S store T

Local shoes sold by 5 stores in 2021



Store P
Store Q
Store R
Store S
Store T

Q141 What is the average number of branded shoes sold by stores P, R and T in 2021?

- (A) 689 (B) 698
(C) 584 (D) 598
(E) 472

Q142 The number of branded shoes sold by store T in 2021 is what percent more or less than the number of local shoes sold by store P in 2021?

- (A) 40% (B) 30%
(C) 25% (D) 62.5%
(E) None of these

Q143 If the total number of shoes sold by store Q in 2021 was increased by 12.5% as compared to 2020 and the total number of shoes sold by store T in 2021 was decreased by 10% as compared to 2020,

then find the total number of shoes sold by stores Q and T together in 2020.

- (A) 1612 (B) 1216
(C) 1416 (D) 1614
(E) None of these

Q144 If store Z sold as many local shoes in 2021 as the average number of local shoes sold by stores Q and S in 2021 and the number of branded shoes sold by store Z in 2021 is 35% more than the average number of branded shoes sold by all the stores together in 2021, then find the total number of shoes sold by store Z in 2021.

- (A) 1446 (B) 1312
(C) 1224 (D) 1302
(E) 1242

Q145 If it is projected that the total number of shoes to be sold by store R in 2022 will be $6\frac{2}{3}\%$ more as compared to 2021, and the total number of shoes to be sold by store S in 2022 will be $11\frac{1}{9}\%$ more as compared to 2021, then find the total number of shoes to be sold by stores R and S in 2022 is how much more than the total number of branded shoes sold by stores P, R and S together in 2021?

- (A) 663 (B) 478
(C) 553 (D) 636
(E) 653

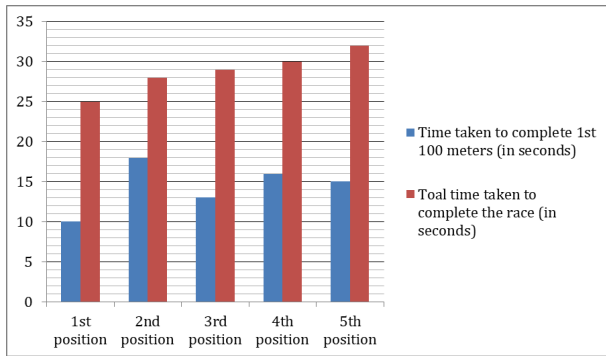
Q146 Direction: Study the data carefully and answer the following questions.

Five racers A, B, C, D and E participated in a 200 meter race.

Bar graph given below shows the time taken by each racer to complete 1st 100 meters and total time taken by each racer to complete the race



according to their positions, at which they finished the race.



B finished the race just before E and only two persons finished the race between B and C. C didn't finish his race after E. Only 1 person finished the race between A and E.

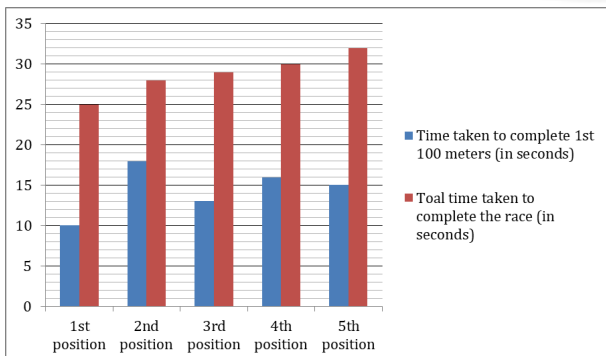
Find the average time taken by B, C and D to complete the remaining 100 meters?

- (A) 13 seconds
- (B) 15 seconds
- (C) 10 seconds
- (D) 12 seconds
- (E) 11 seconds

Q147 Direction: Study the data carefully and answer the following questions.

Five racers A, B, C, D and E participated in a 200 meter race.

Bar graph given below shows the time taken by each racer to complete 1st 100 meters and total time taken by each racer to complete the race according to their positions, at which they finished the race.



B finished the race just before E and only two persons finished the race between B and C. C

didn't finish his race after E. Only 1 person finished the race between A and E.

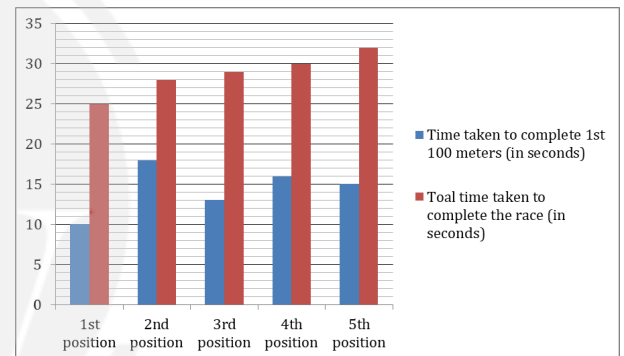
Who among the five racers took maximum time to complete the remaining 100 meters?

- (A) A
- (B) B
- (C) C
- (D) D
- (E) E

Q148 Direction: Study the data carefully and answer the following questions.

Five racers A, B, C, D and E participated in a 200 meter race.

Bar graph given below shows the time taken by each racer to complete 1st 100 meters and total time taken by each racer to complete the race according to their positions, at which they finished the race.



B finished the race just before E and only two persons finished the race between B and C. C didn't finish his race after E. Only 1 person finished the race between A and E.

Total time taken by A to finish the race is what percent more or less than that taken by C to finish the race?

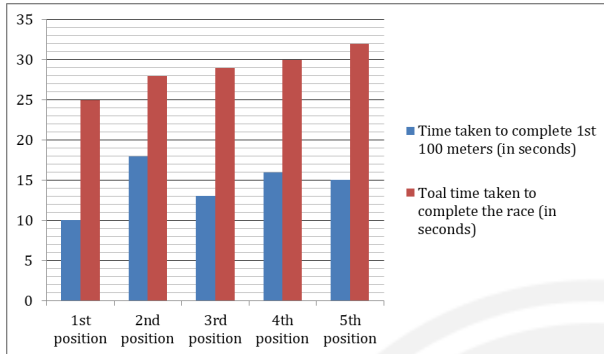
- (A) 16%
- (B) 20%
- (C) Cannot be determined
- (D) 12%
- (E) 28%

Q149 Direction: Study the data carefully and answer the following questions.



Five racers A, B, C, D and E participated in a 200 meter race.

Bar graph given below shows the time taken by each racer to complete 1st 100 meters and total time taken by each racer to complete the race according to their positions, at which they finished the race.



B finished the race just before E and only two persons finished the race between B and C. C didn't finish his race after E. Only 1 person finished the race between A and E.

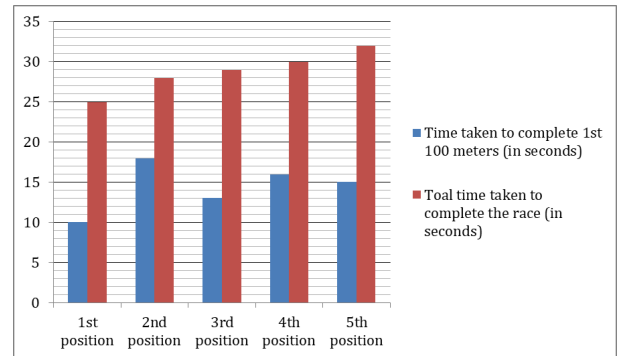
Find the difference between total time taken by C to finish the race and that taken by the person, who finished the race at 5th position?

- (A) 5 seconds (B) 1 seconds
(C) 7 seconds (D) 2 seconds
(E) 3 seconds

Q150 Direction: Study the data carefully and answer the following questions.

Five racers A, B, C, D and E participated in a 200 meter race.

Bar graph given below shows the time taken by each racer to complete 1st 100 meters and total time taken by each racer to complete the race according to their positions, at which they finished the race.



B finished the race just before E and only two persons finished the race between B and C. C didn't finish his race after E. Only 1 person finished the race between A and E.

Find the ratio of total time taken by D and E together to complete the 1st 100 meters to that taken by D and E together to complete the remaining 100 meters?

- (A) 7: 5 (B) 43: 37
(C) 6: 5 (D) 11: 9
(E) 3: 2

Q151 What approximate value will come at the place of question mark (?).

$$(63.94 \times 15.96 \div 255.96)^2$$

$$= \sqrt[3]{[3.94^{(?-3)}]}$$

- (A) 11 (B) 13
(C) 9 (D) 7
(E) None of these

Q152 What approximate value will come at the place of question mark (?).

$${}^{3.01}\sqrt{726} + 19.956\% \text{ of } 881.0954 + 25.08\% \text{ of } 2200.96 = ?$$

- (A) 960 (B) 735
(C) 855 (D) 951
(E) none of these

Q153 What approximate value will come at the place of question mark (?).

$$(782.85)^{1/2} + 37.505\% \text{ of } 2688.04 + 48.12 \times 34.25 \div (67.78) = ?$$



- (A) 780 (B) 1340
(C) 1060 (D) 1220
(E) 1000
- Q154** 30 men can complete a work in 16 days while 20 women can complete the same work in 40 days. 14 men start working and after 24 days they are replaced by 20 women. Find time taken by 20 women to complete the remaining work.
(A) **18 days** (B) 12 days
(C) **10 days** (D) 11 days
(E) **None of these**
- Q155** The average age of 50 students is 18 years. The average age of the first 30 students is 19 years. The average age of the last 10 students is 15 years. Find the average age of the remaining 10 students.
(A) **8 years** (B) **28 years**
(C) **18 years** (D) 9 years
(E) **19 years**
- Q156** The perimeter of a square is equal to twice the perimeter of a rectangle of length of 8 cm and breadth 7 cm. What is the circumference of a semicircle whose diameter is equal to the side of the square?
(A) 38.5cm (B) 38cm
(C) 36cm (D) 34.6cm
(E) None of these
- Q157** A Dishonest milkman purchased milk at Rs 66 per liter and mixes 9L water in it. He sold the mixture at Rs. 66 per liter. Still he gains 33.33%. Find the quantity of milk bought?
(A) 40 L (B) 50 L
(C) **44 L** (D) 25L
(E) **27L**
- Q158** The present age of A is '4x' years and B's age after 1 year will be '3x' years. C is 5 years older than A. D's age 4 years ago was 'x - 3' years. If the average of present ages of A, B and D is 32 years, then find the present age of C.
(A) 43 years (B) 56 years
(C) 53 years (D) 52 years
(E) 51 years
- Q159** A certain sum of money becomes three times of itself in 10 years at simple interest. In how many years does it become double of itself at the same rate of simple interest?
(A) 4 yrs (B) 2 yrs
(C) 5 yrs (D) 3 yrs
(E) **None of these**
- Q160** A vessel contains a mixture of Alcohol and water in which there is 60% alcohol. 30 liters are drawn off and then the vessel is filled with water. If the ratio becomes 6:19 then how much alcohol does the vessel hold now?
(A) **20** (B) 12
(C) **10** (D) 8
(E) **None of these**
- Q161** If one tap can fill a water tank in 15 minutes and another tap can fill it in 30 minutes, what is the duration required for the remaining part of the tank to be completely filled if both taps are left open for 5 minutes and then the first tap is closed?
(A) **18** (B) 20
(C) **22** (D) 15
(E) **None of these**
- Q162** The current population of the village is 40000. And the population of this village has increased by 10% per year. Then, find the population of this village after 3 years?
(A) 53240
(B) 55000
(C) **51000**
(D) 51324
(E) None of the above



Q163 The ratio of three numbers is $a : 4 : 5$ respectively and the sum of the squares of the second and third number is 4100. If the sum of the numbers is 110, then find the value of a .

- (A) 1 (B) 4
(C) 2 (D) 5
(E) None of these

Q164 If the greatest number that will divide 627 and 705 leaving the remainder 2 and 5 respectively is x , then find the value of $(\frac{3}{5} \text{ of } x + 5)$.

- (A) 20 (B) 15
(C) 24 (D) 28
(E) None of these

Q165 Number of ways to form a committee of 4 members from 6 males and X females, in such a way that the number of males is always more than that of females and there is at least 1 female, is 80. Find the value of X .

- (A) 6 (B) 5
(C) 2 (D) 4
(E) 3

Q166 The speed of car P and Q is x kmph and $(x + 20)$ kmph. If car P and Q covers 400 km in $(t + 1)$ hours and in ' t ' hours respectively, then find the speed of car P.

- (A) 80 kmph (B) 50 kmph
(C) 40 kmph (D) 60 kmph
(E) None of these

Directions (167-171) Read the following passage and answer the given questions.

Direction: Read the following table and answer the questions. Some data are missing. Find the missing information and answer the questions.

The following table shows the total number of students preparing UPSC exam, Bank exam and SSC exam, the ratio of number of students

preparing in Bank exam and SSC exam, the number of students in SSC exam and the percentage of students preparing in UPSC exam (Total number of students preparing in an institution = students preparing (UPSC + SSC + Bank)) in that respective institution.

Institution	Total number of students preparing UPSC exam, Bank exam and SSC exam	Ratio of number of students preparing Bank exam and SSC exam	Number of students preparing SSC exam	Percentage of students preparing in UPSC exam
P	960	--	320	25%
Q	--	13:4	160	20%
R	720	9:8	288	--
S	640	5:3	--	20%
T	840	--	150	25%

Q167 Find the fraction of students preparing for Bank exams from institution R.

- (A) $\frac{4}{9}$ (B) $\frac{9}{20}$
(C) $\frac{11}{20}$ (D) $\frac{9}{11}$
(E) $\frac{9}{10}$

Q168 Out of the total number of students preparing in institutions P and S, find the percentage of students preparing for SSC exam in both institutions.

- (A) 32% (B) 35%
(C) 40% (D) 38%



(E) 36%

Q169 Find the average number of students preparing for the UPSC exam in Institutions P, R and T.

- (A) 188 (B) 192
(C) 196 (D) 186
(E) 182

Q170 Find the difference between the total number of students preparing for SSC exam and UPSC exam in all institutions together.

- (A) 255 (B) 246
(C) 254 (D) 258
(E) 244

Q171 By what percentage the number of students preparing UPSC exam in institution P is more than the number of students preparing for SSC in institution T?

- (A) 40% (B) 55%
(C) 60% (D) 50%
(E) 45%

Directions (172-176) Read the following passage and answer the given questions.

The data given about the number of articles sold by X, Y, and Z in three different years 2016 to 2018. Total number of articles sold by X, Y and Z in 2018 is 430. The total number of articles sold in all three years by Y is 390 and that by Z is 158. Articles sold by Z in 2017 and 2018 are in the ratio of 6: 11. The ratio of articles sold by X and Z in 2016 is 7: 8. The number of articles sold by Z in 2016 is 20 more than the article sold by it in 2017. The number of articles sold by Y in 2018 is 5 times the number of articles sold by X in 2016. The number of articles sold by Y and Z in 2016 is 25:28. In 2017 X sold double the number of articles sold by it in previous years.

Q172 Find the total number of articles sold by X in a given three years.

- (A) 226 (B) 266
(C) 286 (D) 306
(E) 316

Q173 What is the ratio of the number of articles sold by X in the year 2018 and the number of articles sold by Y in the year 2017?

- (A) 119: 95 (B) 11: 5
(C) 121: 94 (D) 118: 97
(E) None of these

Q174 What is the difference between the number of articles sold by X in 2016 and the number of articles sold by Z in 2018?

- (A) 17 (B) 15
(C) 21 (D) 8
(E) 7

Q175 What is the difference between the total number of articles sold by X and Z in the given three years?

- (A) 80 (B) 100
(C) 108 (D) 118
(E) 125

Q176 What is the total number of articles sold by X, Y, and Z in the year 2017?

- (A) 201 (B) 205
(C) 229 (D) 239
(E) 245

Q177 **Direction: Study the data carefully and answer the following question.**

A series is given below with the wrong term P in it.

12, 24, 44, 80, 108, 152

Find that the value of P is what percent of the number, which will come in place of P?

- (A) 90% (B) 72%



- (C) 80% (D) 88%
(E) 70%

Q178 Direction: Study the data carefully and answer the following question.

A series is given below with wrong term P in it.
48, 44, 53, 35, 62, 26

If a new series is formed, whose 1st term is P and follows the same pattern as in the given series.

Find the 4th term of the new series?

- (A) 24 (B) 40
(C) 22 (D) 28
(E) 30

Q179 Direction: Study the data carefully and answer the following question.

A series is given below with the wrong term P in it.

4, 6, 15, 30, 84, 246

If a new series is formed whose 1st term is P, 2nd term is $(P + 1)$, 3rd term is $(2\text{nd term} + 3)$, 4th term is $(3\text{rd term} + 9)$, 5th term is $(4\text{th term} + 27)$ and so on, then find the 6th term of the new series?

- (A) 151 (B) 367
(C) 136 (D) 205
(E) 100

Q180 Directions: in the following questions, two quantities 1 and 2 are given . by solving them , get the solution for both the quantities and choose the correct options.

Quantity 1 : amar is 60% less efficient than sam and completes a piece of work in 22.5 days. Amar and sam start work together and after 4.5 days both leave the work, if Ajay completes the remaining work in 4.5 days, then find in how many days the whole work will be completed , if all three work together ?

Quantity 2 : A can complete a task in 24 days and B can do the same task in 18 days. Another two persons C and D complete 58 $\frac{1}{3}$ % of the same

task in 7 days and efficiency of D is 40% more than that of C. Find how many days A,B and D will complete the task together ?

- (A) Quantity 1 = quantity 2 or no relation
(B) Quantity 1 \leq quantity 2
(C) Quantity 1 \geq quantity 2
(D) Quantity 1 < quantity 2
(E) Quantity 1 > quantity 2

Q181 Directions: in the following questions, two quantities 1 and 2 are given . by solving them , get the solution for both the quantities and choose the correct options.

Quantity 1 : a shopkeeper gives a discount of 24% on the marked price of shirt and the cost price of pants is 25% more than selling price of shirt. If the shopkeeper sold pants at 10% profit and the selling price of pants was rs. 1140 more than selling price of shirt, then find the cost price of pants?

Quantity 2 : A shopkeeper has two articles P and Q. The marked price of article Q is 20% more than the marked price of article P. Shopkeeper sold article P at 25% discount and article Q at 20 % discount. He made 20% loss on article P and 6 $\frac{2}{3}$ % profit on article Q. If total loss of shopkeeper was rs. 765, then find marked price of article Q?

- (A) Quantity 1 = quantity 2 or no relation
(B) Quantity 1 \leq quantity 2
(C) Quantity 1 \geq quantity 2
(D) Quantity 1 < quantity 2
(E) Quantity 1 > quantity 2

Q182 In the question, two quantities I and II are given. You have to solve both the quantities to establish the correct relation between Quantity-I and Quantity-II and choose the correct option.

An unbiased dice was rolled randomly.

Quantity-I: Find the probability of getting an odd prime number.



Quantity-II: Find the probability of getting an even prime number.

- (A) Quantity-I > Quantity-II
- (B) Quantity-I < Quantity-II
- (C) Quantity-I \leq Quantity-II
- (D) Quantity-I = Quantity-II or No relation
- (E) Quantity-I \geq Quantity-II

Q183 Directions: Each question contains a statement followed by quantity 1 and 2. read the contents clearly and give an answer as.

Quantity 1: The speed of a man in still water is 16 km/h and the river is running at 6 km/h. The total time taken to go to a place and come back in 8 h. Find the distance travelled by man ?

Quantity 2: a boat can cover 42 km upstream in 63 min. If the speed of the current is $\frac{3}{7}$ of the boat in still water, then how much distance can the boat cover downstream in 42 min ?

- (A) Quantity 1 = quantity 2 or relation cannot be established
- (B) Quantity 2 \geq quantity 1
- (C) Quantity 2 > quantity 1
- (D) Quantity 1 \geq quantity 2
- (E) Quantity 1 > quantity 2

Q184 There are three pipes A, B, and C. The time taken by pipe A to fill a tank is twice the time taken by pipe B and the time taken by pipe B is $\frac{3}{4}$ th of the time taken by pipe C to empty the tank. Find the total time taken to fill the tank completely when all the three pipes are open.

Statement I: The rate at which pipe B fills the tank is 2 Litres/hr more than pipe A.

Statement II: The time taken by pipe C alone to empty the full tank is 24 mins less than the time taken by pipe A alone to fill the tank.

- (A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

- (B) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

- (C) If the data either in statement I alone or in statement II alone are sufficient to answer the question.

- (D) If the data given in both statement I and statement II together are not sufficient to answer the question.

- (E) If the data given in both statement I and statement II together are necessary to answer the question.

Q185 A jewel is made by a goldsmith in which gold and copper and some other metal are mixed in a certain ratio such that the total weight of the jewel is 16 grams. Find the percentage of gold in the jewel.

Statement I: The goldsmith had a total quantity of 20 grams of gold with him initially and 5 grams of copper.

Statement II: The jewel contains 2 grams of diamond stones which is $15\frac{955}{1603}\%$ of the quantity of gold in the jewel.

Statement III: The measure of copper in the jewel is twice that of diamond in the jewel.

- (A) Data in statement I alone is sufficient
- (B) Data both in statement II and statement III are sufficient
- (C) Data in all three statements are not sufficient
- (D) Data in statement II alone is sufficient
- (E) Data either in statement II or statement III are sufficient.

Q186 A construction work is undertaken by men and women to be completed in a certain stipulated time. How many days before completion of the time given, the work is completed?

Statement I: The ratio of efficiency of men to that of women is 10:7. 7 men and 5 women



started working together and completed 60% of the work in 8 days after which all the men and 60% of the women left the work and the remaining work was done by the remaining people.

Statement II: The work is to be completed in 50 days.

- (A) If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
- (B) If the data in statements I and II together are necessary to answer the question.
- (C) If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
- (D) If the data given in statements I and II together are not sufficient to answer the question.
- (E) If the data either in statement I alone or in statement II alone is sufficient to answer the question.

Q187 Sum of monthly savings of 'A' and 'B' is Rs. 1,800. Find the monthly income of 'A'.

Statement I: Ratio of the income of 'A' to the expenditure of 'B' is 4:5, whereas the ratio of the income of 'B' to the expenditure of 'A' is 5:2.

Statement II: Monthly savings of 'A' is Rs. 200 less than that of 'B'

- (A) If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
- (B) If the data in statements I and II together are necessary to answer the question.
- (C) If the data in statement II alone is sufficient to answer the question, while the data in

statement I alone is not sufficient to answer the question.

- (D) If the data given in statements I and II together are not sufficient to answer the question.
- (E) If the data either in statement I alone or in statement II alone is sufficient to answer the question.

Q188 Directions : Read the following information carefully to answer the questions that follow. In the following questions an equation followed by some information is given. You have to choose best suitable option.

$$x^2 - Kx - 64 = 0$$

a and b are roots of the equation. Value of (a - b) = 20

Find the value of $a^2 + b^2$.

- (A) 308 (B) 264
(C) 272 (D) 296
(E) none of these

Q189 Solve the following equation I and equation II based on the given information and answer the questions based on it.

$$1. x^2 + z x + 35 = 0$$

$$2. y^2 = 18 y - 77$$

Some Information:-

1. Roots of equation I are -7 and -5.

Find the value of (25% of smaller root of equation II + 60% of z).

- (A) 8.95 (B) 8.15
(C) 8.36 (D) 8.16
(E) None of these

Q190 Direction: Study the data carefully and answer the following question.

Two equations (I) and (II) are given below.

$$(I): 50 - [4 - \{4 - 4(4 + 4)\}] = x$$

$$(II): 3120 \div 12 \times y + 340 = 4500$$



Solve both the equations and find the relation between 'x' and 'y'?

- (A) $x > y$
- (B) $x = y$ or relation can't be determined
- (C) $x \geq y$
- (D) $x < y$
- (E) $x \leq y$



Answer Key

Q1 (B)
Q2 (D)
Q3 (D)
Q4 (C)
Q5 (C)
Q6 (E)
Q7 (C)
Q8 (D)
Q9 (C)
Q10 (E)
Q11 (C)
Q12 (B)
Q13 (C)
Q14 (A)
Q15 (C)
Q16 (A)
Q17 (D)
Q18 (E)
Q19 (C)
Q20 (B)
Q21 (D)
Q22 (C)
Q23 (C)
Q24 (C)
Q25 (A)
Q26 (C)
Q27 (C)

Q28 (A)
Q29 (D)
Q30 (B)
Q31 (A)
Q32 (E)
Q33 (C)
Q34 (B)
Q35 (B)
Q36 (C)
Q37 (A)
Q38 (B)
Q39 (A)
Q40 (B)
Q41 (B)
Q42 (A)
Q43 (E)
Q44 (D)
Q45 (A)
Q46 (D)
Q47 (C)
Q48 (E)
Q49 (B)
Q50 (C)
Q51 (D)
Q52 (A)
Q53 (D)
Q54 (B)



Q55 (A)
Q56 (E)
Q57 (C)
Q58 (A)
Q59 (E)
Q60 (B)
Q61 (B)
Q62 (E)
Q63 (A)
Q64 (D)
Q65 (D)
Q66 (C)
Q67 (E)
Q68 (B)
Q69 (E)
Q70 (B)
Q71 (A)
Q72 (D)
Q73 (A)
Q74 (B)
Q75 (D)
Q76 (B)
Q77 (E)
Q78 (E)
Q79 (D)
Q80 (E)
Q81 (D)
Q82 (C)
Q83 (A)

Q84 (E)
Q85 (B)
Q86 (D)
Q87 (B)
Q88 (E)
Q89 (D)
Q90 (C)
Q91 (A)
Q92 (D)
Q93 (A)
Q94 (D)
Q95 (C)
Q96 (E)
Q97 (C)
Q98 (B)
Q99 (E)
Q100 (B)
Q101 (B)
Q102 (B)
Q103 (D)
Q104 (A)
Q105 (E)
Q106 (C)
Q107 (B)
Q108 (A)
Q109 (B)
Q110 (C)
Q111 (B)
Q112 (E)



- Q113 (D)
- Q114 (A)
- Q115 (B)
- Q116 (C)
- Q117 (D)
- Q118 (C)
- Q119 (C)
- Q120 (C)
- Q121 (C)
- Q122 (C)
- Q123 (A)
- Q124 (A)
- Q125 (A)
- Q126 (A)
- Q127 (C)
- Q128 (E)
- Q129 (C)
- Q130 (C)
- Q131 (C)
- Q132 (C)
- Q133 (C)
- Q134 (B)
- Q135 (D)
- Q136 (D)
- Q137 (A)
- Q138 (A)
- Q139 (A)
- Q140 (D)
- Q141 (B)

- Q142 (E)
- Q143 (C)
- Q144 (D)
- Q145 (A)
- Q146 (A)
- Q147 (E)
- Q148 (A)
- Q149 (C)
- Q150 (D)
- Q151 (C)
- Q152 (B)
- Q153 (C)
- Q154 (B)
- Q155 (C)
- Q156 (A)
- Q157 (E)
- Q158 (C)
- Q159 (C)
- Q160 (B)
- Q161 (D)
- Q162 (A)
- Q163 (C)
- Q164 (A)
- Q165 (D)
- Q166 (A)
- Q167 (B)
- Q168 (A)
- Q169 (D)
- Q170 (C)



- Q171 (C)
- Q172 (B)
- Q173 (A)
- Q174 (A)
- Q175 (C)
- Q176 (C)
- Q177 (A)
- Q178 (A)
- Q179 (C)
- Q180 (D)

- Q181 (D)
- Q182 (A)
- Q183 (E)
- Q184 (B)
- Q185 (D)
- Q186 (B)
- Q187 (B)
- Q188 (C)
- Q189 (A)
- Q190 (A)



Hints & Solutions

Q1 Text Solution:

As we refer the lines from the passage 2, “Still, the last three years, when India put its trade policy reset on hold, also provided policymakers a unique opportunity to take a fresh approach to delineating the contours of its trade policy goals.” The trade policy has been reset and moduled based on the learning of the unprecedented times and also a unique approach is adopted to frame the trade policy goals. Hence, option (b) is the right answer choice.

Q2 Text Solution:

As we refer to the given midlines of the passage 2, ‘In a nod to India’s WTO obligations, the shift from incentives to an enabling regime of duty remission and exemption schemes to facilitate duty-free imports of inputs required for boosting exports has been near complete.

Most of these schemes including the RoDTEP (Remission of Duties and Taxes on Exported Products), RoSCTL (Rebate on State and Central Taxes and Levies), AA (Advance Authorisation) and EPCG (Export Promotion Capital Goods) have been around for a while and the policy has just tweaked some of the terms of implementation to improve adoption.

Therefore, we can infer from statement (b) and (c) that India’s approval to WTO obligations to exempt schemes and different other policies were tweaked as the initiatives to boost exports as underscored in the passage. Hence, option (d) is the right answer choice.

Q3 Text Solution:

According to the second passage, ‘An improvement in the ease of doing business through a reduction in transaction cost and time,

a reduction in cargo release time, and a paperless regulatory environment’ are just a few of the goals listed in the National Trade Facilitation Action Plan, which are necessary and laudable but in no way novel.’ Therefore, statements (a) and (b) are correct according to the National Trade Facilitation Action Plan. Statement (c) is incorrect as this statement does not relate to the context of the passage. Hence, option (d) is the right answer choice.

Q4 Text Solution:

Sol: Statement (c) is incorrect as the data provided in it is incorrect. Refer to the lines of passage 1: And when one compares this growth goal with the 75% expansion achieved over the last seven years since 2016, the magnitude of the aspiration suggests vaulting ambition.

Statements (a) and (b) are correct as you can refer from the lines of passage 1. Hence, option (c) is the right answer choice.

Q5 Text Solution:

Statement (c) is incorrect as the data provided in it is incorrect.

Refer to the lines of passage 1: And when one compares this growth goal with the 75% expansion achieved over the last seven years since 2016, the magnitude of the aspiration suggests vaulting ambition. Statements (a) and (b) are correct as you can refer from the lines of passage 1. Hence, option (c) is the right answer choice.

Q6 Text Solution:

As stated in the passage 1 the author has analyzed the foreign trade policy as how the government has modified its trade policy to boost exports. The foreign trade policy is addressed as ambitious as Union Minister for



Commerce, Industry and Textiles Piyush Goyal, has made it bold to set an ambitious target of reaching \$2 trillion in total exports (goods and services combined) by 2030. Therefore, the suitable title for the given passage is 'The aspiration of the new foreign trade policy seems ambitious'. All other titles are not suitable according to the context of the passage. Hence, option (e) is the right answer choice.

Q7 Text Solution:

In the context of the passage, the word "reprieve" is appropriate for filling the blank. A "reprieve" refers to a temporary relief or delay from something, often a punishment or obligation. In this case, the passage mentions a "one-time reprieve" being offered to exporters, indicating a temporary relief or extension, allowing them more time to avail both the AA (Advance Authorisation) and EPCG (Export Promotion Capital Goods) schemes.

Q8 Text Solution:

Option D is the correct answer.

It is quite evident from the first line of the second paragraph that- 'the cautionary note flagged the absence of crew training, sparse availability and use of safety material such as life vests, lack of on board briefing of guests and erratic renewal of operational license and enforcement thereon.' Both statements a and c are mentioned in the second paragraph.

Whereas, statement b is incorrect as it is opposite to the information mentioned in the paragraph.

Hence, option D is the correct answer choice.

Q9 Text Solution:

Option (c) is the most appropriate choice.

The passage emphasizes the potential of boat tourism in Kerala but highlights the need to prioritize safety. It also suggests that the government should equip the maritime board

with the necessary resources to enforce safety measures and regulations. Additionally, the passage mentions that the Kerala government has ordered a judicial inquiry and arrested the owner of the vessel, addressing safety concerns and taking legal actions.

Q10 Text Solution:

Option (E) is the most appropriate choice.

Statement a is correct as it can be deduced from the second paragraph, given, "The cautionary note flagged the absence of crew training, sparse availability and use of safety material such as life vests, lack of on board briefing of guests and erratic renewal of operational license and enforcement thereon."

Statement b is also correct as it can be deduced from the third paragraph, given, "As per official data, 3,213 inland vessels are in operation in Kerala's numerous waterways, but industry insiders give a ballpark figure of about 4,000 vessels, also counting the unlicensed ones."

Statement c is also correct and can be deduced from the third paragraph, given, "The maritime board, vested with the responsibility to ensure the fitness, licensing and safe operation of all tourist vessels in Kerala including houseboats, is short of adequate manpower to carry out its job. It has no enforcement wing to keep a tab on errant vessels including those that dodge periodic renewal of license."

Therefore, all statements a, b and c are correct, so option (E) is the correct answer .

Q11 Text Solution:

The correct option that can be considered incorrect as per the third paragraph of the passage is:

C. A state with many waterways has a small amount of potential for boat tourism, but in



order to capitalize on it, user safety must come first.

The passage actually suggests the opposite – that boat tourism holds tremendous potential in a state lined with waterways. The emphasis in the paragraph is on ensuring the safety of people using boat tourism, not on downplaying the potential of boat tourism in a state with numerous waterways.

Q12 Text Solution:

According to the passage - The Kerala government has ordered a judicial inquiry into the accident, and the owner of the vessel has been arrested. The government should arm the maritime board with the necessary manpower and enforcement wing to ensure the safety of people using boat tourism in Kerala. The author strongly denigrates the negligence of the Kerala government in maintaining law and order.

Thus, the tone of the author in the entire paragraph is critical.

Critical - it is a tone that often describes a fault-finding attitude of the author in a negative sense. It may also indicate a deep analysis of an issue with an impartial outlook.

Commiserating - expressing or feeling pity or sympathy.

Provocative -stimulating; irritating.

Prejudiced - favouring one thing/person/group over another for personal reasons.

Hence, option b is the correct answer.

Q13 Text Solution:

It is clear from the first paragraph of the passage that Muralee Thummarukudy issued a prescient warning of an anticipated houseboat tragedy in Kerala, with at least 10 casualties, a month ago.

After filling in the missing blank, the complete sentence will be, "It was just a month ago that international disaster management expert

Muralee Thummarukudy issued a prescient warning, which sounds eerie in hindsight, of an imminent houseboat tragedy in Kerala with at least 10 casualties."

Imminent- about to happen, forthcoming, expected.

All the other words are contextually irrelevant.

Egalitarian-supporting or following the idea that all people are equal and should have the same rights and opportunities.

Deleterious - causing harm or damage.

Gregarious- friendly, sociable.

Hence, option (c) is the most suitable answer choice.

Q14 Text Solution:

Option (a) is the most appropriate choice to be suited as the answer of the question.

Tremendous means unusually large, huge.

Bantam - of a size that is less than average, small.

So, the antonym of tremendous is bantam.

The rest are all synonyms for the given word.

Walloping - unusually large.

Colossal - unusually large.

Pharaonic- extremely large.

Thus, option (a) is the correct answer.

Q15 Text Solution:

Option (c) is the most appropriate choice to be suited as the answer of the question.

Erratic means not even or regular in pattern, unpredictable, inconsistent etc.

Sporadic - lacking in steadiness or regularity of occurrence.

So, the synonym of erratic is sporadic. Rest all are the antonyms of the given word.

Periodic- appearing or occurring repeatedly from time to time.

Unremitting- going on and on without any interruptions.

Stationary- fixed in a place or position.



Thus, option (c) is the correct answer.

Q16 Text Solution:

Statement B must come first because it talks about the main subject, 'God'. B ends with the word 'to', suggesting a statement that starts with the infinitive verb to follow. The only such statement is C, which starts with an infinitive form of the verb - 'keep' and, thus, will follow B. Thus, BC is a pair. Between A and D, D must follow A as A ends with the preposition 'for', which will aptly connect with the gerund 'fulfilling', which is the first word of statement D. Thus, AD is a pair. BC ends with a conjunction 'that'; thus, it must precede the pair AD. Therefore, the correct order is BCAD.

Hence, the correct answer is (a).

Q17 Text Solution:

The statement is understood to be giving reasoning for something. So, among the given combinations, it would be right to start with the word 'since', and thus, the statement D would come in the first place. It ends with 'have', suggesting a perfect tense verb to follow. Thus, statement B would come next as it's the only one starting with a verb. Thus, DB is a pair.

A and C form a pair as they talk about how people treat their children, and both these statements make sense in subsequent order. SO AC is a pair. Possible combinations are DBAC or ACDB based on active/passive voice. But in the options, we only have DBAC available. So, DBAC is the correct option. Thus, the correct answer is (d).

Q18 Text Solution:

Statement A must be the first in sequence because it introduces us to the main subject, i.e., the character 'Oliver Markus Malloy'. Statement A ends with a common noun, 'author,' and thus must be followed by a verb, and the only

sentence starting with the verb 'says' is B and must follow A. B ends with a present participle 'going', and it connects well with the infinitive form of the verb 'to be' of D, and thus, D must follow B. The only remaining statement is C, and must come at the end as it is the only place left for it. Therefore, the correct order is ABDC.

Hence, the correct answer is (e).

Q19 Text Solution:

The passage is talking about the Intergovernmental Panel on Climate Change (IPCC) reports on Climate change and IPCC's Message..

The blank would be filled by a past participle and among the given options , 'LAID' provides the correct context and LAID Out is a phrasal verb which means **Set, Set up, ready, prepare, outlined etc.**

Hence, option C is the correct answer.

Disarranged - to disturb the arrangement or order of, make untidy or disordered.

Neglected - not receiving enough care or attention.

Q20 Text Solution:

The passage is talking about the Intergovernmental Panel on Climate Change (IPCC) reports on Climate change and IPCC's Message..

The blank would be filled by a third form of verb. As per the context of the sentence, IPCC published three reports that outlined the science behind the climate emergency and suggested measures to mitigate it.

Among the given options, 'suggested' provides the correct context to the blank.

Hence, option B is the correct answer.

Deride (verb) - Scoff at. Erode (verb) - Decay. Engross (verb) - fully absorbed. Cede (verb) - transfer title (land).



Q21 Text Solution:

The passage is talking about the Intergovernmental Panel on Climate Change (IPCC) reports on Climate change and IPCC's Message..

The blank would be filled by a noun. As per the context of the sentence, A combination of the earlier studies, it offers the world a chance to head off the crisis. Among the given options, 'Synthesis' (a mixture or combination of ideas, beliefs etc.) provides the correct context to the blank.

Hence, option D is the correct answer.

Hustings (noun) - contest, elections. Gusto (noun) - enjoyment, enthusiasm. Separation (noun) - a situation or period of being apart. Flux (noun) - flowing, changing.

Q22 Text Solution:

The passage is talking about the Intergovernmental Panel on Climate Change (IPCC) reports on Climate change and IPCC's Message..

In the blank we need a conjunction and the sentence shows the contradiction so among the given options, 'HOWEVER' provides the correct context.

Hence, option C is the correct answer.

Unless - We use it in conditional sentences instead of if not.

Consequently - used to show what happened as a result or consequence of an event.

Whereas - to show the difference between two things or facts.

Furthermore - used to introduce a piece of information or opinion that adds to or supports the previous one.

Q23 Text Solution:

The passage is talking about the Intergovernmental Panel on Climate Change

(IPCC) reports on Climate change and IPCC's Message..

The blank would be filled by a third form of verb to fit in the "could + be + V3".

As per the context of the sentence , The IPCC's modeling shows, "the threshold beyond which the climate crisis becomes irreversible" could be breached by the first half of the 2030s.

Among the given options, 'breached' (to break an agreement, a law, etc.) provides the correct context to the blank.

Hence, option C is the correct answer.

Chastise (verb) - punish. Disdain (verb) - treat with scorn. Bode (verb) - foreshadow, foretell, augur.

Q24 Text Solution:

The passage is talking about the Intergovernmental Panel on Climate Change (IPCC) reports on Climate change and IPCC's Message.

The blank would be filled by a third form of verb with 'HAVE'. As per the context of the sentence, to limit temperature rise below the breakdown level, temperatures must peak by 2025 and decline by 43 percent over the next five years, the panel's scientists underlined (to show something clearly or to emphasize something).

Among the given options, 'underlined' provides the correct context to the blank.

Hence, option C is the correct answer.

Dissipated - squander, waste. Countermanded - cancel, revoke.

Q25 Text Solution:

The context of the sentence states that he wasn't sure how much longer he could hold out in this hot desert.

The word (a) will be swapped with word (c) to



make the sentence meaningfully correct. Hence, the correct option choice is (a).

The correct sentence thus is:

He did not **know** if he could **survive** in this **sultry** desert for much **longer**.

Q26 Text Solution:

The context of the sentence states that she experienced a nagging feeling of unease whenever she was around him.

The word (C) will be swapped with word (A) to make the sentence meaningfully correct. Hence, the correct option choice is (c).

The correct sentence thus is:

She felt a **vague** sense of **uneasiness** when she was **around** him.

Q27 Text Solution:

Option (C) is the correct choice.

Observing the sentence, we see that 'precipitation' which means (a chemical process in which solid material is separated from a liquid) fits at (D) because we need a noun after 'CHEMICAL' so, option (A) and (D) are eliminated. 'Dissolved' which means ((used about a solid) to become or to make something become liquid) fits at (A) correctly and we need a past participle after 'are' so 'removed' fits at (C) so, option (B) is eliminated.

Hence, the correct answer is option (C).

The sentence after rearrangement:

Platinum and palladium dissolved from the anode accumulate in the solution, and are removed at intervals of, say, a few months by chemical precipitation.

Q28 Text Solution:

Option (A) is the correct choice.

Observing the sentence, we see that 'risen' fits at (A) because 'have' takes the past participle of a

verb so, options (B) and (D) are eliminated.

'Base' is a noun that fits at (B) because after 'LOW' we need a noun so option (C) is eliminated. Hence, the correct answer is option (A).

The sentence after rearrangement:

India's imports of Russian oil have risen from a very low base at the start of the year reaching a peak in June and July, and largely maintaining these levels through to November.

Q29 Text Solution:

Option (D) is the correct choice.

Observing the sentence, we see that 'Known' fits at (A) because we need the past participle of a verb with 'HAD' so options (B) and (C) are eliminated.

'Impressed' fits at (C) because we need past participle of a verb here so, option (A) is eliminated.

Hence, the correct answer is option (D).

The sentence after rearrangement:

In the time that she had known him, he had given no indication that he was impressed by money or people with important positions.

Q30 Text Solution:

Option (B) is the correct choice.

Observing the sentence, we see that 'engage' is a verb which means (to interest or attract somebody) is correctly and meaningfully placed in the right position, so, no need to replace.

'Avoidance' is a noun that fits at (D) and 'Struggle' fits at (B) because 'struggle with' is the right combination according to the meaning of the sentence.

Hence, the correct answer is option (B).

The sentence after rearrangement:

This is valuable information as we struggle with how to engage early-adopters who demonstrate a high propensity for commercial avoidance.

Q31 Text Solution:



Option (A) is the correct choice.

Observing the sentence, we see that 'communicate' is a verb which means (to share and exchange information, ideas with somebody) fits at (B) because 'MIGHT' takes verb's first form, so options (B) and (C) are eliminated.

'Discussion' is a noun that fits at (D) because after 'the' we need a noun so option (B) is eliminated.

Hence, the correct answer is option (A).

The sentence after rearrangement:

At the same time he had no personal contact with ministers, who might communicate with him only in writing, and for months together never met for the discussion of business.

Q32 Text Solution:

In sentence (I) - we use the article 'THE' before SUN because 'The' is mandatory before a thing which is only one of a kind in the universe.

In sentence (IV) - we use 'THE' article before FIRST because we use an article before 'ORDINALS'.

Sentences (II) and (III) are grammatically and contextually correct.

Hence, Option (E) is the correct answer.

Q33 Text Solution:

In sentence (III) - we need to use the article 'THE' before TABLA because we use 'THE' article with musical instruments.

In sentence (IV) - we use 'THE' article before SOUTH because we use an article before 'directions'.

Sentence (I) and (II) are grammatically and contextually correct.

Hence, Option (c) is the correct answer.

Q34 Text Solution:

In sentence (II) - we don't use articles before the SUBJECTS like MATHEMATICS, PHYSICS, BIOLOGY etc. so we remove article 'the' to make the sentence correct.

In sentence (III) - here, the sentence shows the routine event and article is not used with routine events so we remove 'the' before 'SCHOOL'.

In sentence (IV) - we don't use articles before meals so we remove 'the' before DINNER.

Sentence (I) is grammatically and contextually correct.

Hence, Option (b) is the correct answer.

Q35 Text Solution:

Option (B) is the correct choice.

The word "HOBBLE" is a verb which means to walk with difficulty because your feet or legs are hurt, limp, shamble, totter, dodder. Only Option (B) stands grammatically and contextually meaningful in reference to the given word. It implies that the airline industry is facing difficulties and struggling due to the lack of financial resources, which aligns with the definition of "hobbling" as being restricted or impeded. All the other sentences are either grammatically or contextually incorrect.

Q36 Text Solution:

The word "CONDONE" is a verb that means accept and allow (behavior that is considered morally wrong or offensive), overlook, excuse, etc.

The word "condone" is used correctly in Option (C) - "Because reporters have to be seen to be morally and politically correct, I cannot condone these actions." In this context, "condone" means to accept or overlook, typically implying approval or endorsement, and the sentence conveys the idea that the speaker cannot accept or endorse the mentioned actions due to the need for reporters to maintain a certain moral and political correctness. All the other sentences are either grammatically or contextually incorrect.

Q37 Text Solution:



The word “CLAIRVOYANCE” is a noun that means the power to see the future or to see things that other people can not see, foreknowledge. Only Option (A) stands grammatically and contextually meaningful in reference to the given word. All the other sentences are either grammatically or contextually incorrect.

Hence, option (A) becomes the most suitable answer.

Q38 Text Solution:

In sentence (b), the use of the word ‘foster’ is not used correctly. Foster means to promote the growth, development, or well-being of something, such as a relationship, skill, or idea. Hence, option(b) is the correct choice.

Q39 Text Solution:

In sentence (a), the use of the word ‘naive’ is not used correctly. Naive describes someone who lacks experience or sophistication and tends to trust others easily, often resulting in being easily deceived or misled. Hence, option(a) is the correct choice.

Q40 Text Solution:

In sentence (b), the use of the word ‘feasible’ is not used correctly. Feasible means something that is possible, achievable, or capable of being done successfully. Hence, option(b) is the correct choice.

Q41 Text Solution:

The correct answer is 68%.

- India's population is projected to reach 1.4286 billion, slightly surpassing China's 1.4257 billion by July 2023.
- About a quarter of India's population is aged 0-14 years, 18% are aged 10-19, 26% fall within 10-24 years, 68% are aged 15-64 years, and 7% are 65 years or older.

Q42 Text Solution:

The correct answer is Special Additional Excise Duty

- The government has cut windfall tax on domestically produced crude oil to ₹8,400 per tonne from ₹9,600 per tonne with effect.
- The tax is levied in the form of Special Additional Excise Duty (SAED)

Q43 Text Solution:

The correct answer is All of the above.

- During 2022-23, Indian banks expanded their overseas presence through subsidiaries, increasing from 399 to 417 according to Reserve Bank data released recently.
- Employee numbers also saw a slight increase of 0.5% for foreign branches and 6.2% for subsidiaries.
- Conversely, the survey indicated a decline in the number of branches and employees of foreign banks in India, decreasing from 858 to 774 branches during the same period.

Q44 Text Solution:

The correct answer is 5 crore.

- The procedure involves the allocation of an annual drawing limit of Rs 5 crore to be available to each MP at the start of the financial year.
- The MPs do not have to wait for the funds to be released before recommending new projects.

Q45 Text Solution:

The correct answer is New Delhi

- Regional Rural Banks (RRBs) are government owned scheduled commercial banks of India that operate at regional level in different states of India.
- These banks are under the ownership of Ministry of Finance, Government of India, Sponsored Bank and concerned State



Government in the ratio of 50:35:15 respectively.

- They were created to serve rural areas with basic banking and financial services. However, RRBs also have urban branches.

Q46 Text Solution:

- Public Sector Bank (PSB): There are 12 PSBs in India, which are owned and operated by the government.
- Small Finance Bank (SFB): There are 12 SFBs in India, specialized banks aimed at financial inclusion by providing banking services to small businesses, micro and small industries, and other unbanked segments.
- Regional Rural Bank (RRB): There are 43 RRBs in India, established to provide banking facilities in rural areas and promote agriculture, trade, commerce, and other productive activities.
- Local Area Bank: There are many Local Area Banks in India, focused on serving local areas and specific regions.
- Payment Bank: There are 6 Payment Banks in India, which offer limited banking services such as accepting deposits and facilitating payments but do not provide loans or credit cards.

Q47 Text Solution:

- The RBI said that the Regulated Entities (RE) shall release all the original movable or immovable property documents and remove charges registered with any registry within 30 days after full repayment or settlement of the loan account.

Q48 Text Solution:

- Country's largest lender, State Bank of India (SBI), has raised Rs 3,101 crore capital via additional tier I bonds (AT1) at a coupon of 8.1 per cent. This is 15 basis points lower than the

pricing for its previous AT1 bond issued at 8.25 per cent.

- The base issue size for AT1 bonds was Rs 3,000 crore, with green shoe of Rs 7,000 crore. Rating agency CRISIL has assigned an "AA+" rating to AT1 bonds (Under Basel III regulations).

Q49 Text Solution:

- The combined total corpus of NPS and APY currently stands at Rs 12.4 trillion, with the PFRDA expecting to reach Rs 15 trillion in FY25.
- He further highlighted that the majority of these assets under management (AUM) belong to NPS, while APY constitutes a smaller portion amounting to Rs 38,000 crore.

Q50 Text Solution:

- The Central Board of Trustees, EPF is a statutory body constituted by the Central Government under the provisions of section 5A of the Employees' Provident Funds and Miscellaneous Provisions Act, 1952 (Act 19 of 1952).
- The tenure of the Board is five years.

Q51 Text Solution:

- Regulation of stockbrokers, portfolio exchanges, underwriters and merchant bankers in stock exchanges and other securities market.
- Registration of collective investment schemes and mutual funds. Regulation of takeover bids by companies.

Q52 Text Solution:

- According to the new "Guidelines for Regulating Coaching Institutes" released by the Ministry of Education, coaching centers can face penalties of up to Rs. 1 lakh or have their registration canceled for charging excessive fees.



Q53 Text Solution:

- Quick commerce startup Zepto (which attracted \$ 231 million led by foreign investors in August 2023), was joined on the unicorn list towards the year-end by consumer & small business loans firm Incred Finance (which attracted \$60 million from domestic Family Offices and HNIs).

Q54 Text Solution:

- The central board of directors is the main committee of the central bank.
- The Government of India appoints the directors for a four-year term.

Q55 Text Solution:

- HSBC Holdings Plc ranked first among arrangers for Indian offshore loans last year, toppling Japanese lenders from the top spot they'd held since 2020.
- Data compiled Bloomberg show the British bank was the bookrunner on roughly \$4 billion of US-currency transactions in 2023.

Q56 Text Solution:

- The RBI has identified 15 Non-Banking Financial Companies (NBFCs) in the Upper Layer (UL) for Scale Based Regulation in the year 2023-24.
- This category includes NBFCs subject to enhanced regulatory requirements based on specific parameters and scoring methodology.
- TMF Business Services Limited, formerly Tata Motors Finance Limited, qualifies as an NBFC-UL under this framework.

Q57 Text Solution:

- Ayhika Mukherjee (born 10 June 1997) is an Indian table tennis player from Naihati, West Bengal, supported by OGQ.

Q58 Text Solution:

- HDFC Bank Ltd, India's biggest private sector lender, is seeking to open its first branch in Singapore, signaling its overseas ambitions after sewing up a landmark merger with mortgage financier Housing Development Finance Corp.

Q59 Text Solution:

- Life Insurance Corporation of India (LIC), General Insurance Corporation of India (GIC Re), and New India Assurance Company Limited insurance companies have been designated as Domestic Systemically Important Insurers (D-SIIs) by IRDAI.

Q60 Text Solution:

- Indian Renewable Energy Development Agency Ltd. (IREDA) has signed a Memorandum of Understanding (MoU) with the Indian Overseas Bank (IOB), setting the stage for collaborative efforts in co-lending and loan syndication for a diverse spectrum of Renewable Energy projects across the nation.

Q61 Text Solution:

- The fourth edition of the exercise was launched in 2022 wherein the ranking framework comprised of 7 reform areas with a total of 25 action points with score of 85 marks and overall score of 100 marks including that of the feedback exercise.

Q62 Text Solution:

- Despite the World Health Organisation declaring a pandemic on March 11, it took the Indian government a week to get its act together.
- It wasn't until March 18 that the Indian Council for Media Research established a 21-member high-level technical committee to deal with situation, under the chairmanship of Dr VK Paul, a member of the government's NITI Aayog think tank.



- Although it consisted of eminent doctors, few members have handled disease outbreaks.

Q63 Text Solution:

- The Indian School of Business (ISB) said its business incubator — DLabs — launched a startup accelerator programme called 'Build for Billions' in partnership with Reserve Bank Innovation Hub (RBIH) and Union Bank of India to bridge the gap between financial services and informal economy.14 Jan 2024.

Q64 Text Solution:

- The Reserve Bank of India (RBI) has stipulated that a savings account or current account is considered dormant if there are no transactions for more than two years.
- However, some banks may consider an account inactive after one year of inactivity and dormant after two or three years

Q65 Text Solution:

- There were six crewed landings between 1969 and 1972, and numerous uncrewed landings.
- All crewed missions to the Moon were conducted by the Apollo program, with the last departing the lunar surface in December 1972.
- After Luna 24 in 1976 there were no soft landings on the Moon until Chang'e 3 in 2013.

Q66 Text Solution:

- The agreement was signed between Khanij Bidesh India Ltd (KABIL) and Catamarca Minera Y Energética Sociedad Del Estado (CAMYEN), a state-owned mining and energy company in the **Argentine province of Catamarca**.
- This is the first ever lithium exploration and mining project by a state-owned company

Q67 Text Solution:

- **Sellers, buyers and financiers** are the participants on a TReDS platform.
- Only MSMEs can participate as sellers in TReDS. **Corporates, Government Departments, PSUs, and any other entity** can participate as buyers in TReDS.
- Banks, NBFC - Factors, and other financial institutions, as permitted by the RBI, can participate as financiers in TReDS.

Q68 Text Solution:

- Ministry of Electronics & Information Technology (MeitY) Secretary Shri S Krishnan launched ERNET India's newly developed integrated web portal for educational institutes in the country, at its head office.
- The portal will offer domain registration, DNS and value-added services.

Q69 Text Solution:

- In the G20, the Sherpas are the leaders of each country who take the discussions and agreements to the final summit with Heads of State and Government.
- The Sherpa Track is made up of 15 working groups, two task forces and a Initiative.

Q70 Text Solution:

- The country's largest lender State Bank of India (SBI) has raised Rs 5,000 crore capital through Basel III compliant additional tier 1 (AT1) bonds at a coupon rate of 8.34 per cent amid tight market conditions.
- This was the second AT1 bond offering of the bank in the current financial year.

Q71 Text Solution:

- The temple is 250 feet (76 m) wide, 380 feet (120 m) long and 161 feet (49 m) high.
- Temple complex became the world's third-largest Hindu temple. It is designed in the Māru-Gurjara architecture of Nagara style, a



type of Hindu temple architecture found primarily in northern India.

Q72 Text Solution:

- The Pension Fund Regulatory and Development Authority (PFRDA) is going to make some changes to the National Pension Scheme (NPS) Rules.
- PFRDA has started the implementation process, and the addition of new rules aims to make it easy and beneficial for the employees under these new rules to withdraw money.
- The circulation was issued on October 27, 2023, by the PFRDA to alter Rule 3 and Rule 4 and will start Systematic Lump Sum Withdrawal (SLW) for withdrawal of money after the stipulated time.
- These new rules will allow the NPS account holder to withdraw up to 60 per cent of the money from the deposited pension fund.
- Under SLW, the user can withdraw the deposited money on a monthly, quarterly, half-yearly or even yearly basis till the age of 75 years as per their convenience.

Q73 Text Solution:

- The three IT giants topped the charts of IT brands according to the Brand Finance 2024 report.
- Accenture maintained its position as the world's most valuable IT services brand, with a brand value of \$40.5 billion increasing by 1.6% from last year.

Q74 Text Solution:

- Indians can now receive remittances from Singapore directly into their bank accounts in real-time, thanks to the new UPI-PayNow linkage announced by the National Payments Corporation of India (NPCI).

Q75 Text Solution:

- Indian banks' weak loans (better known as non-performing assets or NPAs) is projected to drop to 4.5 per cent at the end of Fiscal Year 2023-24, and to 3.5 per cent at the end of Fiscal Year 2024-25, S&P Global.

Q76 Text Solution:

- The win against Bangladesh was the second victory for the Netherlands in the 2023 World Cup after inflicting a shock defeat to South Africa earlier in the group stages.

Q77 Text Solution:

- The MoU signed between Google INdian and NPCI has three key objectives: First, it seeks to broaden the use of UPI payments for travelers outside of India, enabling them to conveniently make transactions abroad.

Q78 Text Solution:

- Prime minister Narendra Modi on Monday released the first installment of rural housing scheme Pradhan Mantri Awas Yojana-Gramin (PMAY-G) to one lakh beneficiaries under the Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM-JANMAN) via video conferencing.

Q79 Text Solution:

Deepfakes are traditional media - video, audio, and images, edited solely by professional artists to create entertainment content.

Q80 Text Solution:

- In a significant move to deepen cultural ties, External Affairs Minister S Jaishankar announced that the Government of India has decided to include Farsi (Persian) as one of the nine classical languages in India under the New Education Policy.

Q81 Text Solution:

- REC Limited, a Maharatna Central Public Sector Enterprise under the Ministry of Power



and a leading NBFC, has been bestowed with the prestigious Best Green Bond - Corporate Award at The Asset Triple A Awards for Sustainable Finance 2024.

Q82 Text Solution:

- The RBI defines a microfinance loan as a collateral-free loan given to a household having annual household income up to ₹3 lakh.

Q83 Text Solution:

- The Reserve Bank of India has launched a centralised web portal called UDGAM to help track unclaimed deposits across multiple banks.
- UDGAM stands for 'Unclaimed Deposits – Gateway to Access inforMation.' Users can access the details of their unclaimed deposits in seven banks presently available on the portal.

Q84 Text Solution:

- An International Dark-Sky Park (IDSP) is a land possessing an exceptional or distinguished quality of starry nights and a nocturnal environment, that is specifically protected for its scientific, natural, educational, and/or cultural heritage resource, and/or for public enjoyment.
- Dark Sky Place certification focuses on lighting policy, dark sky-friendly retrofits, outreach and education, and monitoring the night sky.
- The Pench Tiger Reserve (PTR) in Maharashtra has been marked as India's first Dark Sky Park and the fifth such park in Asia.

Q85 Text Solution:

- In a major boost for the Indian Army, the Defence Ministry has approved a Rs 2,800 crore proposal for buying around 6,400

rockets for Pinaka multi-barrel rocket launcher systems.

Q86 Text Solution:

- The Union Cabinet, approved the National Quantum Mission (NQM) on 19th April 2023 at a total cost of Rs. 6003.65 crore from 2023-24 to 2030-31, aiming to seed, nurture and scale up scientific and industrial R&D and create a vibrant & innovative ecosystem in Quantum Technology (QT).

Q87 Text Solution:

- The Securities and Exchange Board of India has given approval to four companies viz. Fredbank Financial Services Limited, Indian Renewable Energy Development Agency (IREDA), EPACK Durable, and Suraj Estate Developers to raise funds through initial public offerings.
- These companies filed preliminary IPO papers with SEBI between July and September 2023. The equity shares of these companies will be listed on the BSE and NSE. Ganviz Enterprises

Q88 Text Solution:

- South Indian Bank honoured as Best Technology Bank of Year at 19th IBA Annual Banking Technology Conference, Expo & Citations.
- South Indian Bank wins the prestigious title of Best Technology Bank of the Year Award at the 19th IBA Annual Banking Technology Conference, Expo & Citations.

Q89 Text Solution:

Under the Liberalised Remittance Scheme, all resident individuals, including minors, are allowed to freely remit up to USD 2,50,000 per financial year (April – March) for any permissible current or capital account transaction or a combination of both.



Q90 Text Solution:

- As per the e-way bill rules, e-way bill is required to be carried along with the goods at the time of transportation, if the value is more than Rs. 50,000/-. Under this circumstance, the consumer can get the e-way bill generated from the taxpayer or supplier, based on the bill or invoice issued by him.

Q91 Text Solution:

Charan lives on a prime numbered floor above the 3rd floor. Aman, who gives the information on Saturday, lives three floors below Charan.

There are three floors between Aman and Deepa. Deepa lives immediately below the one, who gives the information on Thursday.

The one who gives the information on Thursday doesn't live on the 9th floor and 5th floor. From this point we can consider that Charan doesn't live on 7th floor.

Case 1:

Floor number	Floor	Days
13		
12		
11		
10		
9		
8		
7		Thursday
6	Deepa	
5	Charan	
4		
3		
2	Aman	Saturday
1		

Case 2:

Floor number	Floor	Day
13		Thursday

12	Deepa	
11	Charan	
10		
9		
8	Aman	Saturday
7		
6		
5		
4		
3		
2		
1		

Case 3:

Floor number	Floor	Day
13	Charan	
12		
11		
10	Aman	Saturday
9		
8		
7		Thursday
6	Deepa	
5		
4		
3		
2		
1		

There are four floors between Bhuv and the one, who gives the information on Friday. Bhuv, who doesn't give information on Thursday, lives above Charan. So, case 2 and case 3 get eliminated.

The one who gives the information on Friday, doesn't live on a prime numbered floor.

Case 1.a:

Floor number	Floor	Day
13		



12		
11		
10		
9	Bhuv	
8		
7		Thursday
6	Deepa	
5	Charan	
4		Friday
3		
2	Aman	Saturday
1		

Case 1.b:

Floor number	Floor	Day
13		
12		
11	Bhuv	
10		
9		
8		
7		Thursday
6	Deepa	Friday
5	Charan	
4		
3		
2	Aman	Saturday
1		

Case 1.c:

Floor number	Floor	Day
13	Bhuv	
12		
11		
10		
9		
8		Friday
7		Thursday

6	Deepa	
5	Charan	
4		
3		
2	Aman	Saturday
1		

There are three floors between Farah and Elia, who gives the information on Monday. Elia lives above Farah. There are odd number of floors between Bhuv and Farah. Bhuv and Farah do not live on adjacent floors.

Gyan, who gives the information on Wednesday, lives immediately above Hank. Gyan lives on an even numbered floor but not the 4th floor.

Ian, who gives the information on Tuesday, lives two floors above Jack. Jack does not live on the bottommost floor. So, case 1.a and case 1.c get eliminated.

The final arrangement is as follows:

Floor number	Floor	Day
13	Elia	Monday
12	Ian	Tuesday
11	Bhuv	---
10	Jack	---
9	Farah	---
8	Gyan	Wednesday
7	Hank	Thursday
6	Deepa	Friday
5	Charan	---
4	---	---
3	---	---
2	Aman	Saturday
1	---	---

Hence, except Charan all give the information on different days.

Q92 Text Solution:

Charan lives on a prime numbered floor above the 3rd floor. Aman, who gives the information on Saturday, lives three floors below Charan. There are three floors between Aman and Deepa. Deepa lives immediately below the one, who gives the information on Thursday.

The one who gives the information on Thursday doesn't live on the 9th floor and 5th floor. From this point we can consider that Charan doesn't live on 7th floor.

Case 1:

Floor number	Floor	Days
13		
12		
11		
10		
9		
8		
7		Thursday
6	Deepa	
5	Charan	
4		
3		
2	Aman	Saturday
1		

Case 2:

Floor number	Floor	Day
13		Thursday
12	Deepa	
11	Charan	
10		
9		
8	Aman	Saturday
7		
6		
5		
4		

3		
2		
1		

Case 3:

Floor number	Floor	Day
13	Charan	
12		
11		
10	Aman	Saturday
9		
8		
7		Thursday
6	Deepa	
5		
4		
3		
2		
1		

There are four floors between Bhuv and the one, who gives the information on Friday. Bhuv, who doesn't give information on Thursday, lives above Charan. So, case 2 and case 3 get eliminated.

The one who gives the information on Friday, doesn't live on a prime numbered floor.

Case 1.a:

Floor number	Floor	Day
13		
12		
11		
10		
9	Bhuv	
8		
7		Thursday
6	Deepa	
5	Charan	
4		Friday



3		
2	Aman	Saturday
1		

Case 1.b:

Floor number	Floor	Day
13		
12		
11	Bhuv	
10		
9		
8		
7		Thursday
6	Deepa	Friday
5	Charan	
4		
3		
2	Aman	Saturday
1		

Case 1.c:

Floor number	Floor	Day
13	Bhuv	
12		
11		
10		
9		
8		Friday
7		Thursday
6	Deepa	
5	Charan	
4		
3		
2	Aman	Saturday
1		

There are three floors between Farah and Elia, who gives the information on Monday. Elia lives above Farah. There are odd number of floors

between Bhuv and Farah. Bhuv and Farah do not live on adjacent floors.

Gyan, who gives the information on Wednesday, lives immediately above Hank. Gyan lives on an even numbered floor but not the 4th floor.

Ian, who gives the information on Tuesday, lives two floors above Jack. Jack does not live on the bottommost floor. So, case 1.a and case 1.c get eliminated.

The final arrangement is as follows:

Floor number	Floor	Day
13	Elia	Monday
12	Ian	Tuesday
11	Bhuv	---
10	Jack	---
9	Farah	---
8	Gyan	Wednesday
7	Hank	Thursday
6	Deepa	Friday
5	Charan	---
4	---	---
3	---	---
2	Aman	Saturday
1	---	---

Hence, Seven persons live below Gyan.

Q93 Text Solution:

Charan lives on a prime numbered floor above the 3rd floor. Aman, who gives the information on Saturday, lives three floors below Charan. There are three floors between Aman and Deepa. Deepa lives immediately below the one, who gives the information on Thursday.

The one who gives the information on Thursday doesn't live on the 9th floor and 5th floor. From this point we can consider that Charan doesn't live on 7th floor.

Case 1:

Floor number	Floor	Days
--------------	-------	------



13		
12		
11		
10		
9		
8		
7		Thursday
6	Deepa	
5	Charan	
4		
3		
2	Aman	Saturday
1		

Case 2:

Floor number	Floor	Day
13		Thursday
12	Deepa	
11	Charan	
10		
9		
8	Aman	Saturday
7		
6		
5		
4		
3		
2		
1		

Case 3:

Floor number	Floor	Day
13	Charan	
12		
11		
10	Aman	Saturday
9		
8		

7		Thursday
6	Deepa	
5		
4		
3		
2		
1		

There are four floors between Bhuv and the one, who gives the information on Friday. Bhuv, who doesn't give information on Thursday, lives above Charan. So, case 2 and case 3 get eliminated.

The one who gives the information on Friday, doesn't live on a prime numbered floor.

Case 1.a:

Floor number	Floor	Day
13		
12		
11		
10		
9	Bhuv	
8		
7		Thursday
6	Deepa	
5	Charan	
4		Friday
3		
2	Aman	Saturday
1		

Case 1.b:

Floor number	Floor	Day
13		
12		
11	Bhuv	
10		
9		
8		



7		Thursday
6	Deepa	Friday
5	Charan	
4		
3		
2	Aman	Saturday
1		

Case 1.c:

Floor number	Floor	Day
13	Bhuv	
12		
11		
10		
9		
8		Friday
7		Thursday
6	Deepa	
5	Charan	
4		
3		
2	Aman	Saturday
1		

There are three floors between Farah and Elia, who gives the information on Monday. Elia lives above Farah. There are odd number of floors between Bhuv and Farah. Bhuv and Farah do not live on adjacent floors.

Gyan, who gives the information on Wednesday, lives immediately above Hank. Gyan lives on an even numbered floor but not the 4th floor.

Ian, who gives the information on Tuesday, lives two floors above Jack. Jack does not live on the bottommost floor. So, case 1.a and case 1.c get eliminated.

The final arrangement is as follows:

Floor number	Floor	Day
13	Elia	Monday

12	Ian	Tuesday
11	Bhuv	---
10	Jack	---
9	Farah	---
8	Gyan	Wednesday
7	Hank	Thursday
6	Deepa	Friday
5	Charan	---
4	---	---
3	---	---
2	Aman	Saturday
1	---	---

Hence, Nine persons live between Aman and the one, who gives the information on Tuesday.

Q94 Text Solution:

Charan lives on a prime numbered floor above the 3rd floor. Aman, who gives the information on Saturday, lives three floors below Charan. There are three floors between Aman and Deepa. Deepa lives immediately below the one, who gives the information on Thursday.

The one who gives the information on Thursday doesn't live on the 9th floor and 5th floor. From this point we can consider that Charan doesn't live on 7th floor.

Case 1:

Floor number	Floor	Days
13		
12		
11		
10		
9		
8		
7		Thursday
6	Deepa	
5	Charan	
4		



3		
2	Aman	Saturday
1		

Case 2:

Floor number	Floor	Day
13		Thursday
12	Deepa	
11	Charan	
10		
9		
8	Aman	Saturday
7		
6		
5		
4		
3		
2		
1		

Case 3:

Floor number	Floor	Day
13	Charan	
12		
11		
10	Aman	Saturday
9		
8		
7		Thursday
6	Deepa	
5		
4		
3		
2		
1		

There are four floors between Bhuv and the one, who gives the information on Friday. Bhuv, who

doesn't give information on Thursday, lives above Charan. So, case 2 and case 3 get eliminated.

The one who gives the information on Friday, doesn't live on a prime numbered floor.

Case 1.a:

Floor number	Floor	Day
13		
12		
11		
10		
9	Bhuv	
8		
7		Thursday
6	Deepa	
5	Charan	
4		Friday
3		
2	Aman	Saturday
1		

Case 1.b:

Floor number	Floor	Day
13		
12		
11	Bhuv	
10		
9		
8		
7		Thursday
6	Deepa	Friday
5	Charan	
4		
3		
2	Aman	Saturday
1		

Case 1.c:

Floor number	Floor	Day



13	Bhuv	
12		
11		
10		
9		
8		Friday
7		Thursday
6	Deepa	
5	Charan	
4		
3		
2	Aman	Saturday
1		

There are three floors between Farah and Elia, who gives the information on Monday. Elia lives above Farah. There are odd number of floors between Bhuv and Farah. Bhuv and Farah do not live on adjacent floors.

Gyan, who gives the information on Wednesday, lives immediately above Hank. Gyan lives on an even numbered floor but not the 4th floor.

Ian, who gives the information on Tuesday, lives two floors above Jack. Jack does not live on the bottommost floor. So, case 1.a and case 1.c get eliminated.

The final arrangement is as follows:

Floor number	Floor	Day
13	Elia	Monday
12	Ian	Tuesday
11	Bhuv	---
10	Jack	---
9	Farah	---
8	Gyan	Wednesday
7	Hank	Thursday
6	Deepa	Friday
5	Charan	---
4	---	---

3	---	---
2	Aman	Saturday
1	---	---

Hence, Bhuv lives immediately below Ian.

Q95 Text Solution:

Charan lives on a prime numbered floor above the 3rd floor. Aman, who gives the information on Saturday, lives three floors below Charan.

There are three floors between Aman and Deepa. Deepa lives immediately below the one, who gives the information on Thursday.

The one who gives the information on Thursday doesn't live on the 9th floor and 5th floor. From this point we can consider that Charan doesn't live on 7th floor.

Case 1:

Floor number	Floor	Days
13		
12		
11		
10		
9		
8		
7		Thursday
6	Deepa	
5	Charan	
4		
3		
2	Aman	Saturday
1		

Case 2:

Floor number	Floor	Day
13		Thursday
12	Deepa	
11	Charan	
10		
9		



8	Aman	Saturday
7		
6		
5		
4		
3		
2		
1		

Case 3:

Floor number	Floor	Day
13	Charan	
12		
11		
10	Aman	Saturday
9		
8		
7		Thursday
6	Deepa	
5		
4		
3		
2		
1		

There are four floors between Bhuv and the one, who gives the information on Friday. Bhuv, who doesn't give information on Thursday, lives above Charan. So, case 2 and case 3 get eliminated.

The one who gives the information on Friday, doesn't live on a prime numbered floor.

Case 1.a:

Floor number	Floor	Day
13		
12		
11		
10		
9	Bhuv	

8		
7		Thursday
6	Deepa	
5	Charan	
4		Friday
3		
2	Aman	Saturday
1		

Case 1.b:

Floor number	Floor	Day
13		
12		
11	Bhuv	
10		
9		
8		
7		Thursday
6	Deepa	Friday
5	Charan	
4		
3		
2	Aman	Saturday
1		

Case 1.c:

Floor number	Floor	Day
13	Bhuv	
12		
11		
10		
9		
8		Friday
7		Thursday
6	Deepa	
5	Charan	
4		
3		



2	Aman	Saturday
1		

There are three floors between Farah and Elia, who gives the information on Monday. Elia lives above Farah. There are odd number of floors between Bhuv and Farah. Bhuv and Farah do not live on adjacent floors.

Gyan, who gives the information on Wednesday, lives immediately above Hank. Gyan lives on an even numbered floor but not the 4th floor.

Ian, who gives the information on Tuesday, lives two floors above Jack. Jack does not live on the bottommost floor. So, case 1.a and case 1.c get eliminated.

The final arrangement is as follows:

Floor number	Floor	Day
13	Elia	Monday
12	Ian	Tuesday
11	Bhuv	---
10	Jack	---
9	Farah	---
8	Gyan	Wednesday
7	Hank	Thursday
6	Deepa	Friday
5	Charan	---
4	---	---
3	---	---
2	Aman	Saturday
1	---	---

Hence, Jack lives three floors above Hank.

Q96 Text Solution:

We will go through the options, so first taking **statement I and II together.**

Cas e 1	Cas e 2	Cas e 3	Cas e 4	Cas e 5	Ca se 6
				B	

			B	C	
		B	C		
	B	C			
B	C				
C					B
					C

We can't fix anyone as the statements are not defined clearly, **hence the statements are not sufficient.**

Now, taking **statements I and III together**

Case 1	Case 2
J	H/
F	J
H	F
	H/
B	
C	B
	C

Position of G is still not clear, hence **these statements are also not sufficient.**

Now, taking **statements II and III together,**

Case 1
J
F
B

Position of anyone is still not clear with these statements, **hence this are also not sufficient.**

Now, combining all the statements together,

Case 1	Case 2
	H/
J	J
F	F



H	H/
B	B
C	C

Even after combining all statements, we didn't get the answer. Hence none of the statements is sufficient to answer.

Q97 Text Solution:

After combining all the statements, we get that V stays immediately below X.

Flo	Pers
ors	ons
8	N
7	D
6	U
5	K
4	X
3	V
2	K
1	T

Q98 Text Solution:

By combining I and II, we get- D born on 20th February.

Months	Dates	Persons
January	15	G
January	20	B
February	15	A
February	20	D
March	15	C
March	20	F
April	15	E
April	20	H

Q99 Text Solution:

From statement I and II:

Floors	Persons	Persons	Persons
	Case 1	Case 2	Case 3
7	N/K	U/	U/

6		N/K	
5	M	M	M
4	N/K		N/K
3	U/	N/K	U/
2			
1	U/	U/	N/K

From statement II and III:

Floors	Persons
7	
6	O
5	L
4	K
3	
2	
1	N

From I and III:

Floors	Persons	Persons
	Case 1	Case 2
7	U	U
6	K/	K/
5	M	M
4	K/	K/
3	O/	O/
2	N	
1	O/	N

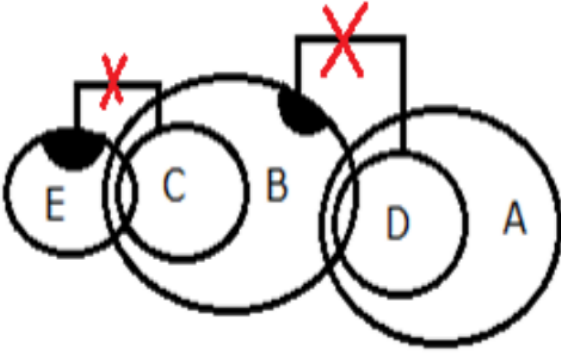
From statement I, II and III:

Floors	Persons
7	U
6	
5	M
4	K
3	O
2	
1	N

Hence, none of the statements is sufficient to answer.



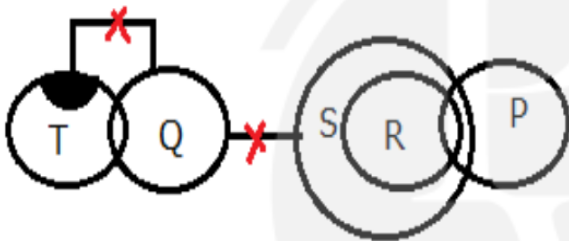
Q100 Text Solution:



Conclusions:

- I. Some C can never be A. **Doesn't follow**
 - II. Some D are not E is a possibility. **Follows**
 - III. Some A are not B. **Doesn't follow**
- Clearly, only conclusion II follows

Q101 Text Solution:

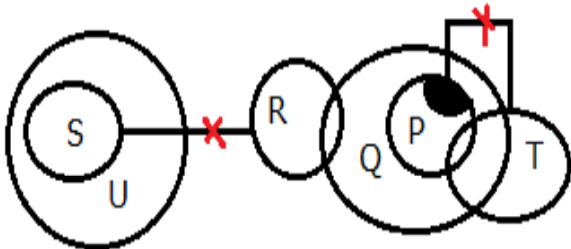


Conclusions:

- I. Some T are not R. **Follows**
- II. Some P are not Q is a possibility. **Doesn't follow**
- III. Some T are S is not a possibility. **Doesn't follow**

Clearly, only conclusion I follows.

Q102 Text Solution:



Conclusions:

I. Some T are not U. **Doesn't follow**

II. Some Q are not T. **Follows**

III. Some P can never be S. **Doesn't follow**

Clearly, only conclusion II follows.

Q103 Text Solution:

I. The government views rural development more favorably than urban development. : **Doesn't follow**

(This conclusion suggests that the government's stance towards rural development is more positive or supportive compared to its stance on urban development. The statement implies that there are differences between rural and urban growth, but it does not explicitly state which one the government favors. However, if we interpret the existence of differences as an indication that rural development is more favorably viewed by the government, then conclusion I would follow.)

II. The government views urban development more favorably than rural development. : **Doesn't follow**

(This conclusion suggests the opposite of conclusion I, indicating that the government is more supportive or favorable towards urban development compared to rural development. Again, the statement does not explicitly specify which area the government views more favorably, but if we interpret the differences mentioned as implying a preference for urban development, then conclusion II would follow.)

Therefore, the correct answer is "either conclusion I or II follows."

Q104 Text Solution:

Political uncertainty almost always causes an economic crisis while on the other hand, an economic crisis may or may not cause political uncertainty. Thus, A is a sufficient reason for B to happen.

Hence, the correct answer is option a.



Q105 Text Solution:

Solution:

Correct Option: Both are strong arguments.

Both arguments make valid points about the continued importance of wearing face masks in public places, despite the decrease in COVID cases and the ongoing vaccination efforts.

The first argument highlights that even as cases decline in some areas, the virus is still circulating and spreading in many regions. Wearing face masks remains an effective measure to reduce the risk of transmission, particularly in crowded or indoor settings where social distancing may be challenging.

The second argument underscores the uncertainty surrounding the extent to which vaccines prevent transmission of the virus. While vaccines offer significant protection against severe illness, their effectiveness in preventing transmission is still being studied. Thus, wearing face masks can serve as an additional layer of protection for both the wearer and those around them.

In summary, both arguments support the continued use of face masks in public places as a precautionary measure to mitigate the spread of COVID-19, even as cases decrease and vaccination rates increase.

Q106 Text Solution:

The problem statement implies that the government should migrate from a reactive approach to a more proactive approach. And therefore performing or perishing should be the strategy. While at the same time the military should be equipped with cutting-edge technology and synergized joint strategies. Both I and II are the appropriate courses of action. Being diplomatic with terrorism is absurd and therefore can be rejected as an answer.

Hence, Option (c) is the correct.

Q107 Text Solution:

I Not-Implicit: The term “only” cancels all the possibilities of assumption I to be true.

II Implicit: Nothing about other countries judicial system is mentioned and also government of India has imposed the law. Thus, assumption II might be true.

Hence, option (b) is the correct answer.

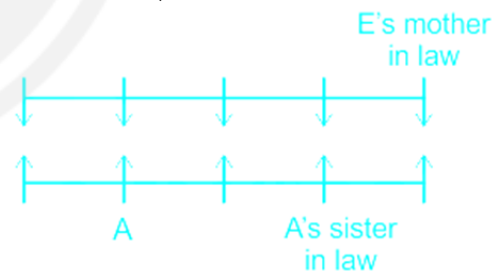
Q108 Text Solution:

It is likely that Statement A is the cause, and Statement B is the effect. The increased import of animal hides (Statement A) is likely a contributing factor to the increase in production by the leather industry (Statement B). Therefore, the correct depiction of the relationship is that Statement A is the cause and Statement B is the effect.

Hence, the correct answer is option A.

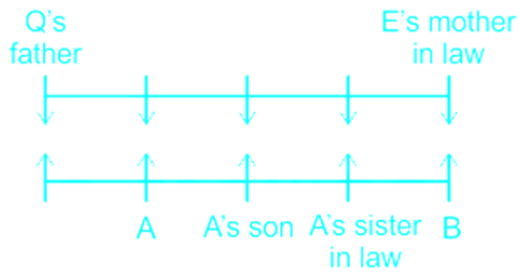
Q109 Text Solution:

- 1) A sits 2nd from one of the ends.
- 2) E's mother-in-law sits opposite to the one who sits 3rd to the right of A.
- 3) One person sits between A and her sister-in-law. Therefore, A is female.



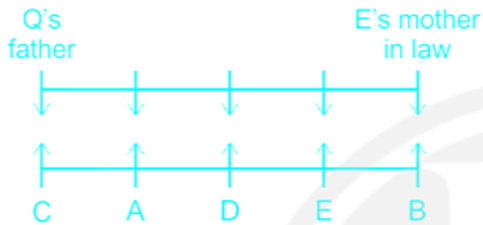
- 4) Three persons sits between B and the person sitting opposite to Q's father.
- 5) A's son sits immediate right of A.





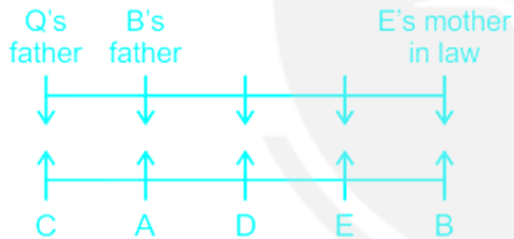
6) C and D are unmarried. Therefore, neither C nor D is an immediate neighbour of B and so E will be A's sister-in-law.

7) C does not sit next to E. Therefore, C would be at the corner and D would be A's son.



8) B is married to E who has one child. Therefore, B is male.

9) B's father faces A who has two children one son and one daughter.

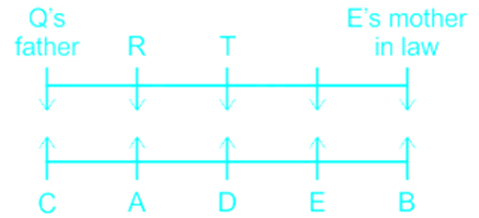


E is sister-in-law of A. Therefore, B is the brother of A.

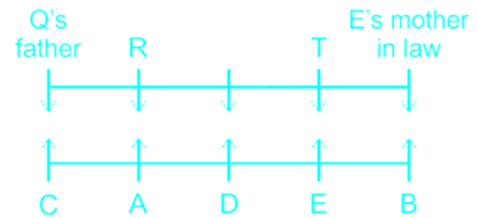
10) R faces immediate neighbour of A's niece. Therefore, C is A's niece and daughter of B and E. We also know that R is B's father.

11) R sits to the right of T.

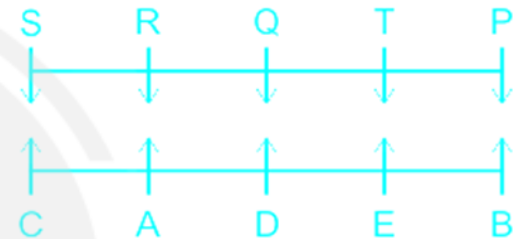
Case -II



Case -II

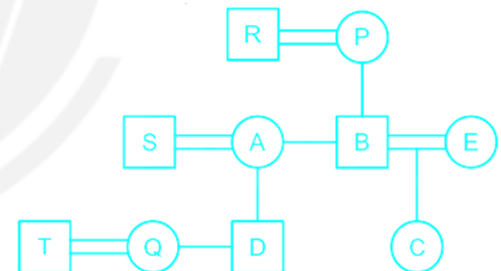


12) P and her granddaughter Q are not sitting together. Therefore, case I will be cancelled.

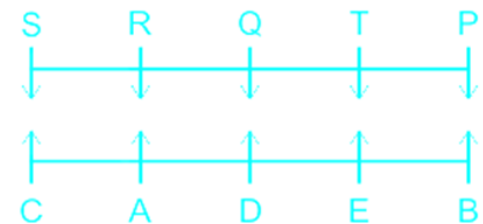


Clearly S is Q's father.

13) Q is married. Therefore, T is the husband of Q. The final solution is,



Case -II



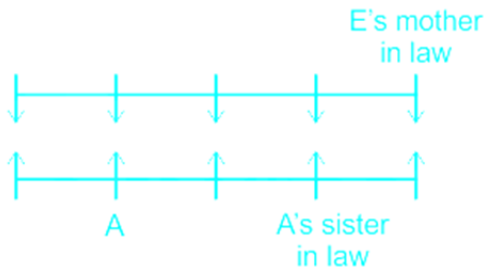
Hence, the correct answer is R.

Q110 Text Solution:

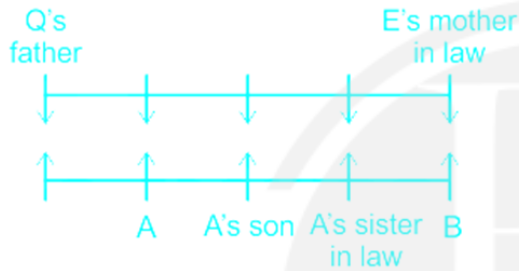
1) A sits 2nd from one of the ends.



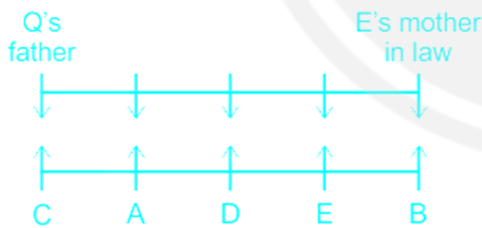
- 2) E's mother-in-law sits opposite to the one who sits 3rd to the right of A.
 3) One person sits between A and her sister-in-law. Therefore, A is female.



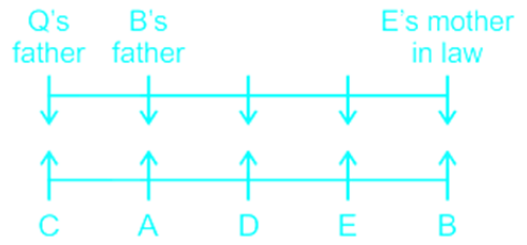
- 4) Three persons sits between B and the person sitting opposite to Q's father.
 5) A's son sits immediate right of A.



- 6) C and D are unmarried. Therefore, neither C nor D is an immediate neighbour of B and so E will be A's sister-in-law.
 7) C does not sit next to E. Therefore, C would be at the corner and D would be A's son.



- 8) B is married to E who has one child. Therefore, B is male.
 9) B's father faces A who has two children one son and one daughter.

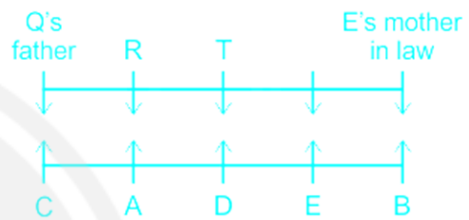


E is sister-in-law of A. Therefore, B is the brother of A.

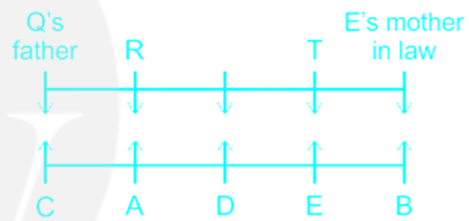
- 10) R faces immediate neighbour of A's niece. Therefore, C is A's niece and daughter of B and E. We also know that R is B's father.

- 11) R sits to the right of T.

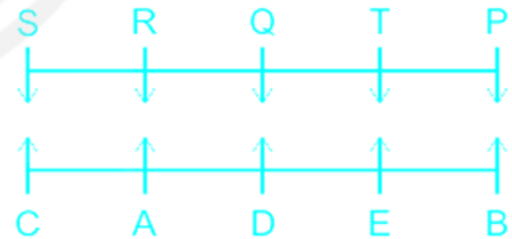
Case -II



Case -II



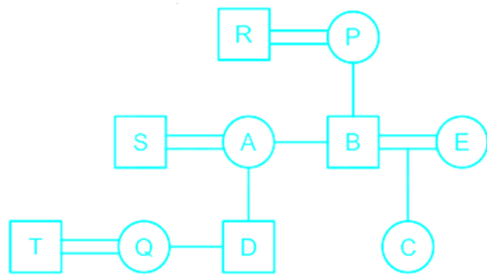
- 12) P and her granddaughter Q are not sitting together. Therefore, case I will be cancelled.



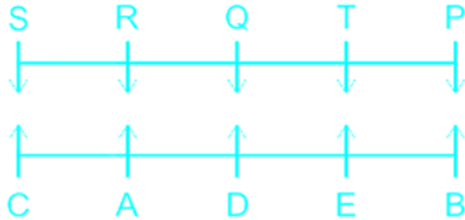
Clearly S is Q's father.

- 13) Q is married. Therefore, T is the husband of Q. The final solution is,





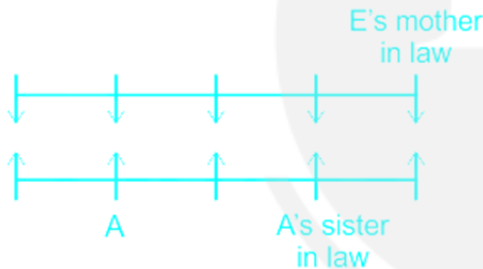
Case -II



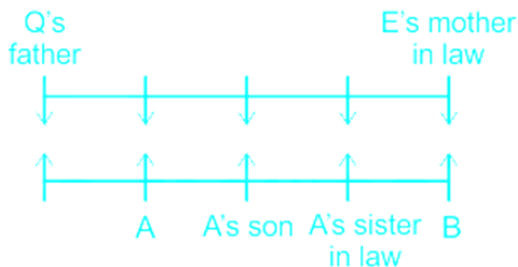
Hence, C is cousin of Q.

Q111 Text Solution:

- 1) A sits 2nd from one of the ends.
- 2) E's mother-in-law sits opposite to the one who sits 3rd to the right of A.
- 3) One person sits between A and her sister-in-law. Therefore, A is female.

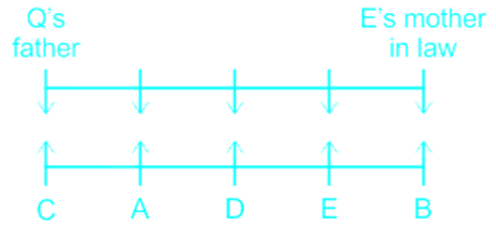


- 4) Three persons sits between B and the person sitting opposite to Q's father.
- 5) A's son sits immediate right of A.



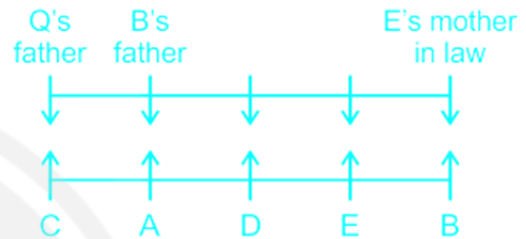
- 6) C and D are unmarried. Therefore, neither C nor D is an immediate neighbour of B and so E will be A's sister-in-law.

- 7) C does not sit next to E. Therefore, C would be at the corner and D would be A's son.



- 8) B is married to E who has one child. Therefore, B is male.

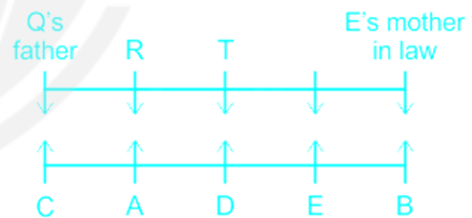
- 9) B's father faces A who has two children one son and one daughter.



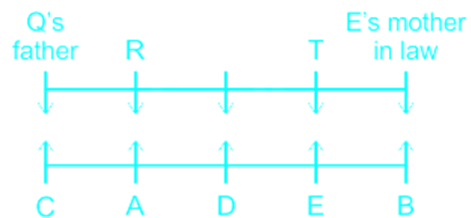
- 10) R faces immediate neighbour of A's niece. Therefore, C is A's niece and daughter of B and E. We also know that R is B's father.

- 11) R sits to the right of T.

Case -II

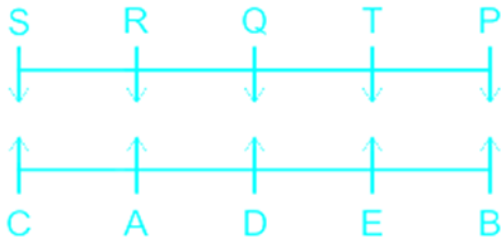


Case -II



- 12) P and her granddaughter Q are not sitting together. Therefore, case I will be cancelled.

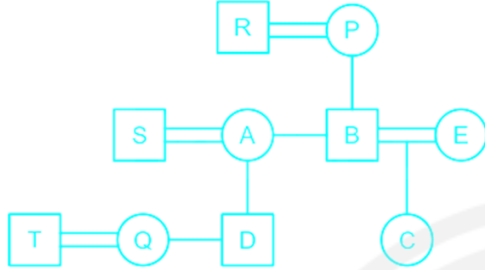




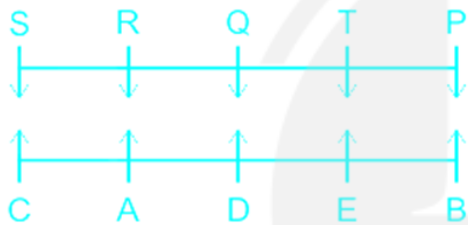
Clearly S is Q's father.

13) Q is married. Therefore, T is the husband of Q.

The final solution is,



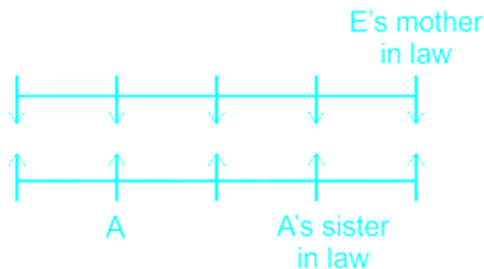
Case -II



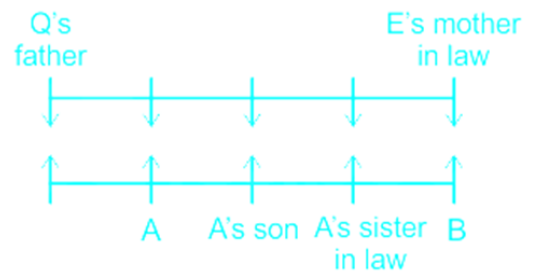
Hence, P is the mother-in-law of E.

Q112 Text Solution:

- 1) A sits 2nd from one of the ends.
- 2) E's mother-in-law sits opposite to the one who sits 3rd to the right of A.
- 3) One person sits between A and her sister-in-law. Therefore, A is female.

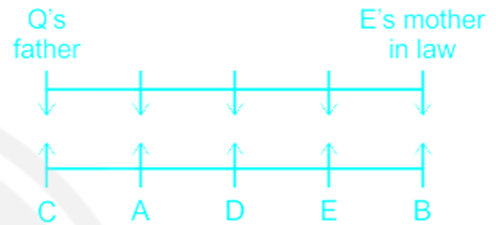


- 4) Three persons sits between B and the person sitting opposite to Q's father.
- 5) A's son sits immediate right of A.



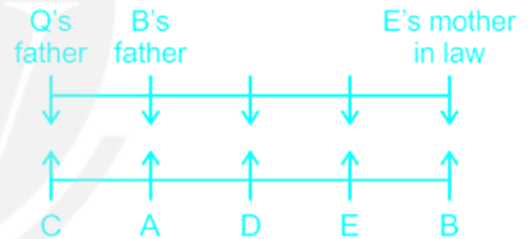
6) C and D are unmarried. Therefore, neither C nor D is an immediate neighbour of B and so E will be A's sister-in-law.

7) C does not sit next to E. Therefore, C would be at the corner and D would be A's son.



8) B is married to E who has one child. Therefore, B is male.

9) B's father faces A who has two children one son and one daughter.



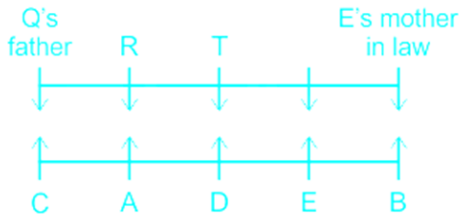
E is sister-in-law of A. Therefore, B is the brother of A.

10) R faces immediate neighbour of A's niece. Therefore, C is A's niece and daughter of B and E. We also know that R is B's father.

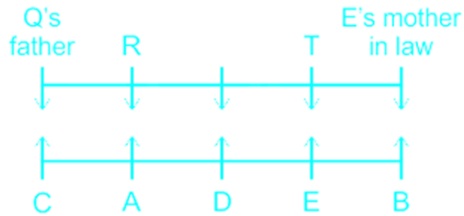
11) R sits to the right of T.



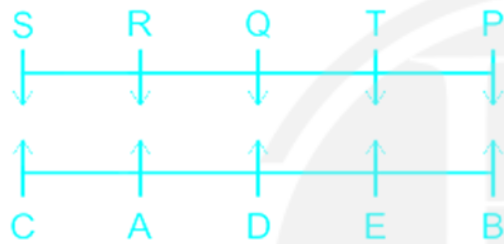
Case -II



Case -II



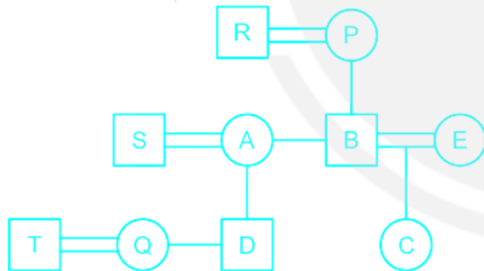
12) P and her granddaughter Q are not sitting together. Therefore, case I will be cancelled.



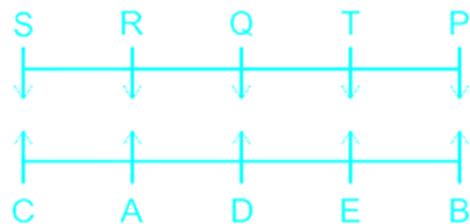
Clearly S is Q's father.

13) Q is married. Therefore, T is the husband of Q.

The final solution is,



Case -II



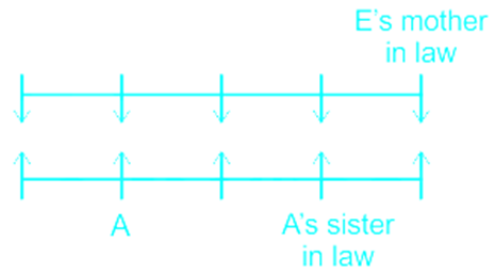
Hence, T is the son-in-law of A.

Q113 Text Solution:

1) A sits 2nd from one of the ends.

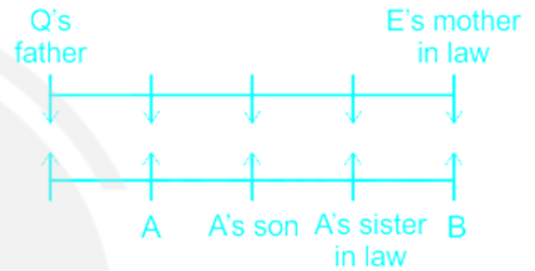
2) E's mother-in-law sits opposite to the one who sits 3rd to the right of A.

3) One person sits between A and her sister-in-law. Therefore, A is female.



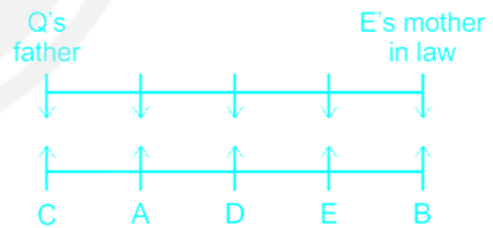
4) Three persons sits between B and the person sitting opposite to Q's father.

5) A's son sits immediate right of A.



6) C and D are unmarried. Therefore, neither C nor D is an immediate neighbour of B and so E will be A's sister-in-law.

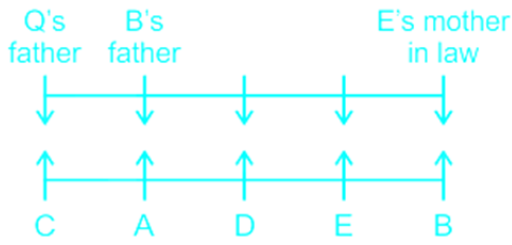
7) C does not sit next to E. Therefore, C would be at the corner and D would be A's son.



8) B is married to E who has one child. Therefore, B is male.

9) B's father faces A who has two children one son and one daughter.



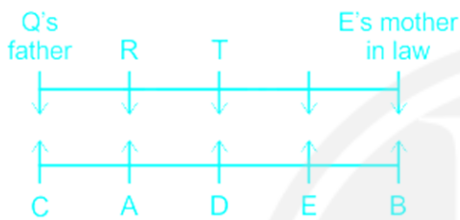


E is sister-in-law of A. Therefore, B is the brother of A.

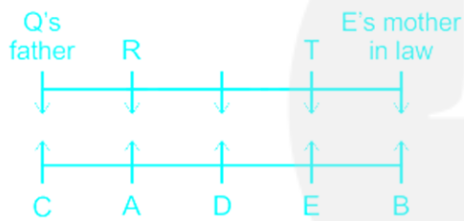
10) R faces immediate neighbour of A's niece. Therefore, C is A's niece and daughter of B and E. We also know that R is B's father.

11) R sits to the right of T.

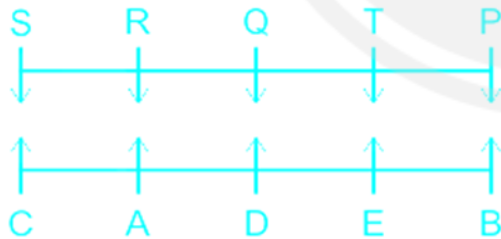
Case -II



Case -II

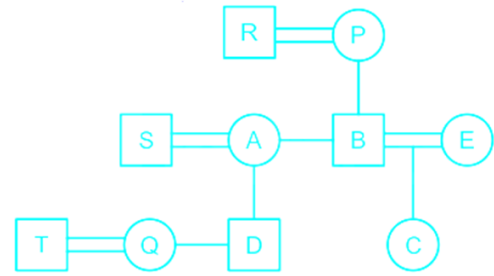


12) P and her granddaughter Q are not sitting together. Therefore, case I will be cancelled.

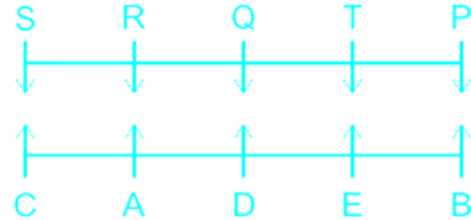


Clearly S is Q's father.

13) Q is married. Therefore, T is the husband of Q. The final solution is,



Case -II



Hence, D sits opposite to the one who sits immediate left of R.

Q114 Text Solution:

B bought red shirt before the brown shirt was bought. The brown shirt was bought on Wednesday.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 2:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY	B	RED
TUESDAY		
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 3:



DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY	B	RED
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Two people bought a shirt between A and B. The pink shirt was bought immediately before A bought the shirt.

So case 2 is invalid.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		PINK
WEDNESDAY	A	BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 3:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY	B	RED
WEDNESDAY		BROWN
THURSDAY		PINK
FRIDAY	A	
SATURDAY		

D bought a shirt after A but was not the last person to buy a shirt. Only one person bought a shirt between D and the person who bought green shirt.

So case 3 is invalid.

Case 1:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY		

SUNDAY	B	RED
MONDAY		
TUESDAY		PINK
WEDNESDAY	A	BROWN
THURSDAY	D	
FRIDAY		
SATURDAY		GREEN

E bought the shirt after F but before C. F did not buy shirt on Monday.

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY	G	
TUESDAY	F	PINK
WEDNESDAY	A	BROWN
THURSDAY	D	
FRIDAY	E	
SATURDAY	C	GREEN

Neither D nor E bought the white shirt. The yellow shirt was bought after the blue shirt.

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY	G	WHITE
TUESDAY	F	PINK
WEDNESDAY	A	BROWN
THURSDAY	D	BLUE
FRIDAY	E	YELLOW
SATURDAY	C	GREEN

Q115 Text Solution:

B bought red shirt before the brown shirt was bought. The brown shirt was bought on Wednesday.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		



WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 2:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY	B	RED
TUESDAY		
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 3:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY	B	RED
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Two people bought a shirt between A and B. The pink shirt was bought immediately before A bought the shirt.

So case 2 is invalid.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		PINK
WEDNESDAY	A	BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 3:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY	B	RED
WEDNESDAY		BROWN
THURSDAY		PINK
FRIDAY	A	
SATURDAY		

D bought a shirt after A but was not the last person to buy a shirt. Only one person bought a shirt between D and the person who bought green shirt.

So case 3 is invalid.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		PINK
WEDNESDAY	A	BROWN
THURSDAY	D	
FRIDAY		
SATURDAY		GREEN

E bought the shirt after F but before C. F did not buy shirt on Monday.

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY	G	
TUESDAY	F	PINK
WEDNESDAY	A	BROWN
THURSDAY	D	
FRIDAY	E	
SATURDAY	C	GREEN

Neither D nor E bought the white shirt. The yellow shirt was bought after the blue shirt.

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY	G	WHITE



TUESDAY	F	PINK
WEDNESDAY	A	BROWN
THURSDAY	D	BLUE
FRIDAY	E	YELLOW
SATURDAY	C	GREEN

Q116 Text Solution:

B bought red shirt before the brown shirt was bought. The brown shirt was bought on Wednesday.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 2:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY	B	RED
TUESDAY		
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 3:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY	B	RED
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Two people bought a shirt between A and B. The pink shirt was bought immediately before A bought the shirt.

So case 2 is invalid.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		PINK
WEDNESDAY	A	BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 3:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY	B	RED
WEDNESDAY		BROWN
THURSDAY		PINK
FRIDAY	A	
SATURDAY		

D bought a shirt after A but was not the last person to buy a shirt. Only one person bought a shirt between D and the person who bought green shirt.

So case 3 is invalid.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		PINK
WEDNESDAY	A	BROWN
THURSDAY	D	
FRIDAY		
SATURDAY		GREEN



E bought the shirt after F but before C. F did not buy shirt on Monday.

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY	G	
TUESDAY	F	PINK
WEDNESDAY	A	BROWN
THURSDAY	D	
FRIDAY	E	
SATURDAY	C	GREEN

Neither D nor E bought the white shirt. The yellow shirt was bought after the blue shirt.

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY	G	WHITE
TUESDAY	F	PINK
WEDNESDAY	A	BROWN
THURSDAY	D	BLUE
FRIDAY	E	YELLOW
SATURDAY	C	GREEN

Q117 Text Solution:

B bought red shirt before the brown shirt was bought. The brown shirt was bought on Wednesday.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 2:

DAY	PERSON	COLOUR
SUNDAY		

MONDAY	B	RED
TUESDAY		
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 3:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY	B	RED
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Two people bought a shirt between A and B. The pink shirt was bought immediately before A bought the shirt.

So case 2 is invalid.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		PINK
WEDNESDAY	A	BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 3:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY	B	RED
WEDNESDAY		BROWN
THURSDAY		PINK
FRIDAY	A	



SATURDAY		
----------	--	--

D bought a shirt after A but was not the last person to buy a shirt. Only one person bought a shirt between D and the person who bought green shirt.

So case 3 is invalid.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		PINK
WEDNESDAY	A	BROWN
THURSDAY	D	
FRIDAY		
SATURDAY		GREEN

E bought the shirt after F but before C. F did not buy shirt on Monday.

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY	G	
TUESDAY	F	PINK
WEDNESDAY	A	BROWN
THURSDAY	D	
FRIDAY	E	
SATURDAY	C	GREEN

Neither D nor E bought the white shirt. The yellow shirt was bought after the blue shirt.

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY	G	WHITE
TUESDAY	F	PINK
WEDNESDAY	A	BROWN
THURSDAY	D	BLUE
FRIDAY	E	YELLOW
SATURDAY	C	GREEN

Q118 Text Solution:

B bought red shirt before the brown shirt was bought. The brown shirt was bought on Wednesday.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 2:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY	B	RED
TUESDAY		
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 3:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY	B	RED
WEDNESDAY		BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Two people bought a shirt between A and B. The pink shirt was bought immediately before A bought the shirt.

So case 2 is invalid.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED



MONDAY		
TUESDAY		PINK
WEDNESDAY	A	BROWN
THURSDAY		
FRIDAY		
SATURDAY		

Case 3:

DAY	PERSON	COLOUR
SUNDAY		
MONDAY		
TUESDAY	B	RED
WEDNESDAY		BROWN
THURSDAY		PINK
FRIDAY	A	
SATURDAY		

D bought a shirt after A but was not the last person to buy a shirt. Only one person bought a shirt between D and the person who bought green shirt.

So case 3 is invalid.

Case 1:

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY		
TUESDAY		PINK
WEDNESDAY	A	BROWN
THURSDAY	D	
FRIDAY		
SATURDAY		GREEN

E bought the shirt after F but before C. F did not buy shirt on Monday.

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY	G	
TUESDAY	F	PINK
WEDNESDAY	A	BROWN

THURSDAY	D	
FRIDAY	E	
SATURDAY	C	GREEN

Neither D nor E bought the white shirt. The yellow shirt was bought after the blue shirt.

DAY	PERSON	COLOUR
SUNDAY	B	RED
MONDAY	G	WHITE
TUESDAY	F	PINK
WEDNESDAY	A	BROWN
THURSDAY	D	BLUE
FRIDAY	E	YELLOW
SATURDAY	C	GREEN

Q119 Text Solution:

Logic :

Words: Words are taken in reverse alphabetical order and symbols (\$) and (#) are added in both ends of the word in alternative step, starting from \$ in 1st, # in 2nd and so on and written at the left end in each step.

Numbers: Numbers are taken in ascending order and the odd digits are changed into ">" within each number and written just right of the word which are taken as mentioned above in each step.

Input: drawer 256 watch 723 trojan 856 467 yarn

Step I: \$yarn\$ 2>6 drawer watch 723 trojan 856 467

Step II: #watch# 46> \$yarn\$ 2>6 drawer 723 trojan 856

Step III: \$trojan\$ >2> #watch# 46> \$yarn\$ 2>6 drawer 856

Step IV: #drawer# 8>6 \$trojan\$ >2> #watch# 46> \$yarn\$ 2>6 drawer 856

Q120 Text Solution:

Logic :



Words: Words are taken in reverse alphabetical order and symbols (\$) and (#) are added in both ends of the word in alternative step, starting from \$ in 1st, # in 2nd and so on and written at the left end in each step.

Numbers: Numbers are taken in ascending order and the odd digits are changed into ">" within each number and written just right of the word which are taken as mentioned above in each step.

Input: drawer 256 watch 723 trojan 856 467 yarn

Step I: \$yarn\$ 2>6 drawer watch 723 trojan 856 467

Step II: #watch# 46> \$yarn\$ 2>6 drawer 723 trojan 856

Step III: \$trojan\$ >2> #watch# 46> \$yarn\$ 2>6 drawer 856

Step IV: #drawer# 8>6 \$trojan\$ >2> #watch# 46> \$yarn\$ 2>6 drawer 856

Q121 Text Solution:

Logic :

Words: Words are taken in reverse alphabetical order and symbols (\$) and (#) are added in both ends of the word in alternative step, starting from \$ in 1st, # in 2nd and so on and written at the left end in each step.

Numbers: Numbers are taken in ascending order and the odd digits are changed into ">" within each number and written just right of the word which are taken as mentioned above in each step.

Input: drawer 256 watch 723 trojan 856 467 yarn

Step I: \$yarn\$ 2>6 drawer watch 723 trojan 856 467

Step II: #watch# 46> \$yarn\$ 2>6 drawer 723 trojan 856

Step III: \$trojan\$ >2> #watch# 46> \$yarn\$ 2>6 drawer 856

Step IV: #drawer# 8>6 \$trojan\$ >2> #watch# 46> \$yarn\$ 2>6 drawer 856

Q122 Text Solution:

Logic :

Words: Words are taken in reverse alphabetical order and symbols (\$) and (#) are added in both ends of the word in alternative step, starting from \$ in 1st, # in 2nd and so on and written at the left end in each step.

Numbers: Numbers are taken in ascending order and the odd digits are changed into ">" within each number and written just right of the word which are taken as mentioned above in each step.

Input: drawer 256 watch 723 trojan 856 467 yarn

Step I: \$yarn\$ 2>6 drawer watch 723 trojan 856 467

Step II: #watch# 46> \$yarn\$ 2>6 drawer 723 trojan 856

Step III: \$trojan\$ >2> #watch# 46> \$yarn\$ 2>6 drawer 856

Step IV: #drawer# 8>6 \$trojan\$ >2> #watch# 46> \$yarn\$ 2>6 drawer 856

Q123 Text Solution:

Logic :

Words: Words are taken in reverse alphabetical order and symbols (\$) and (#) are added in both ends of the word in alternative step, starting from \$ in 1st, # in 2nd and so on and written at the left end in each step.

Numbers: Numbers are taken in ascending order and the odd digits are changed into ">" within each number and written just right of the word which are taken as mentioned above in each step.

Input: drawer 256 watch 723 trojan 856 467 yarn



Step I: \$yarn\$ 2>6 drawer watch 723 trojan 856 467

Step II: #watch# 46> \$yarn\$ 2>6 drawer 723 trojan 856

Step III: \$trojan\$ >2> #watch# 46> \$yarn\$ 2>6 drawer 856

Step IV: #drawer# 8>6 \$trojan\$ >2> #watch# 46> \$yarn\$ 2>6 drawer 856

Q124 Text Solution:

The examination for the subject of Accounts was conducted in the month of September. The exam for Chemistry was held in the month of June. H is the top performer of the exam which is held in the month of May. The individual designated as P was the top performer in either the month immediately preceding or immediately following the top performer H. So, we get two possible cases:

Months	Persons	Subjects	Persons	Subjects
	Case 1		Case 2	
April	P			
May	H		H	
June		Chemistry	P	Chemistry
July				
August				
September		Accounts		Accounts
October				
November				

There are three individuals who are top performers between P and G. The top performer G was either in the month immediately before or immediately after the top performer N. N is not the top performer in Accounts.

Months	Persons	Subjects	Persons	Subjects

	Case 1		Case 2	
April	P			
May	H		H	
June		Chemistry	P	Chemistry
July	N			
August	G			
September		Accounts		Accounts
October			G	
November			N	

A is top performer in Physics. M is top performer in one of the months after A. M is top performer in Mathematics. There is one person who is top performer between B and Q. B is top performer in Biology. So, case 1 is ruled out here.

Months	Persons	Subjects	Persons	Subjects
	Case 1		Case 2	
April	P		A	Physics



				ic s
May	H	-	H	
June	-	Chem istry	P	C h e m i s t r y
July	N	-	B	B i o l o g y
August	G	-	M	M a t h s
September	-	Accou nts	Q	A c c o u n t s
October	-	-	G	
November	-	-	N	

The examination for the subject of Economics was held in the month immediately preceding the month in which the examination for the subject of Geography was held. Hence, the final arrangement is: -

Months	Persons	Subjects
April	A	Physics
May	H	History
June	P	Chemistry
July	B	Biology

August	M	Maths
September	Q	Accounts
October	G	Economics
November	N	Geograph y

Q125 Text Solution:

The examination for the subject of Accounts was conducted in the month of September. The exam for Chemistry was held in the month of June. H is the top performer of the exam which is held in the month of May. The individual designated as P was the top performer in either the month immediately preceding or immediately following the top performer H. So, we get two possible cases:

Months	Persons	Subjects	Persons	Subjects
	Case 1		Case 2	
April	P			
May	H		H	
June		Chemistr y	P	Chemistr y
July				
August				
September		Accounts		Accounts
October				
November				

There are three individuals who are top performers between P and G. The top performer G was either in the month immediately before or immediately after the top performer N. N is not the top performer in Accounts.

Months	Persons	Subjects	Persons	S u b j e



				ct s
	Case 1		Case 2	
April	P			
May	H		H	
June		Chemistry	P	C h e m i s t r y
July	N			
August	G			
September		Accounts		A c c o u n t s
October			G	
November			N	

A is top performer in Physics. M is top performer in one of the months after A. M is top performer in Mathematics. There is one person who is top performer between B and Q. B is top performer in Biology. So, case 1 is ruled out here.

				S u b j e c t s
	Persons	Subjects	Persons	
	Case 1		Case 2	
April	P	-	A	P h y

				si c s
May	H	-	H	
June	-	Chemistry	P	C h e m i s t r y
July	N	-	B	B i o l o g y
August	G	-	M	M a t h s
September	-	Accounts	Q	A c c o u n t s
October	-	-	G	
November	-	-	N	

The examination for the subject of Economics was held in the month immediately preceding the month in which the examination for the subject of Geography was held. Hence, the final arrangement is :-

Months	Persons	Subjects
April	A	Physics
May	H	History
June	P	Chemistry



July	B	Biology
August	M	Maths
September	Q	Accounts
October	G	Economics
November	N	Geography

Q126 Text Solution:

The examination for the subject of Accounts was conducted in the month of September. The exam for Chemistry was held in the month of June. H is the top performer of the exam which is held in the month of May. The individual designated as P was the top performer in either the month immediately preceding or immediately following the top performer H. So, we get two possible cases:

Months	Persons	Subjects	Persons	Subjects
	Case 1		Case 2	
April	P			
May	H		H	
June		Chemistry	P	Chemistry
July				
August				
September		Accounts		Accounts
October				
November				

There are three individuals who are top performers between P and G. The top performer G was either in the month immediately before or immediately after the top performer N. N is not the top performer in Accounts.

Months	Persons	Subjects	Persons	Subjects

	Case 1		Case 2	
	April	P		
May	H		H	
June		Chemistry	P	Chemistry
July	N			
August	G			
September		Accounts		Accounts
October			G	
November			N	

A is top performer in Physics. M is top performer in one of the months after A. M is top performer in Mathematics. There is one person who is top performer between B and Q. B is top performer in Biology. So, case 1 is ruled out here.

Months	Persons	Subjects	Persons	Subjects
	Case-1		Case 2	
April	P	-	A	Physics



				y s i c s
May	H	-	H	
June	-	Chemistry	P	C h e m i s t r y
July	N	-	B	B i o l o g y
August	G	-	M	M a t h s
September	-	Accounts	Q	A c c o u n t s
October	-	-	G	
November	-	-	N	

The examination for the subject of Economics was held in the month immediately preceding the month in which the examination for the subject of Geography was held. Hence, the final arrangement is: -

Months	Persons	Subjects
April	A	Physics
May	H	History

June	P	Chemistry
July	B	Biology
August	M	Maths
September	Q	Accounts
October	G	Economics
November	N	Geography

Q127 Text Solution:

The examination for the subject of Accounts was conducted in the month of September. The exam for Chemistry was held in the month of June. H is the top performer of the exam which is held in the month of May. The individual designated as P was the top performer in either the month immediately preceding or immediately following the top performer H. So, we get two possible cases:

Months	Persons	Subjects	Persons	Subjects
	Case 1		Case 2	
April	P			
May	H		H	
June		Chemistry	P	Chemistry
July				
August				
September		Accounts		Accounts
October				
November				

There are three individuals who are top performers between P and G. The top performer G was either in the month immediately before or immediately after the top performer N. N is not the top performer in Accounts.

Months	Persons	Subjects	Persons	S u
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				b j e c t s
	Case 1		Case 2	
April	P			
May	H		H	
June		Chemistry	P	C h e m i s t r y
July	N			
August	G			
September		Accounts		A c c o u n t s
October			G	
November			N	

A is top performer in Physics. M is top performer in one of the months after A. M is top performer in Mathematics. There is one person who is top performer between B and Q. B is top performer in Biology. So, case 1 is ruled out here.

Months	Persons	Subjects	Persons	S u b j e c t s
	Case-1		Case 2	

April	P	-	A	P h y s i c s
May	H	-	H	
June	-	Chemistry	P	C h e m i s t r y
July	N	-	B	B i o l o g y
August	G	-	M	M a t h s
September	-	Accounts	Q	A c c o u n t s
October	-	-	G	
November	-	-	N	

The examination for the subject of Economics was held in the month immediately preceding the month in which the examination for the subject of Geography was held. Hence, the final arrangement is: -

Months	Persons	Subjects
--------	---------	----------



	Case 1		Case 2		ct s
April	P	-	A		P h y s i c s
May	H	-	H		
June	-	Chemistry	P		C h e m i s t r y
July	N	-	B		B i o l o g y
August	G	-	M		M a t h s
September	-	Accounts	Q		A c c o u n t s
October	-	-	G		
November	-	-	N		

The examination for the subject of Economics was held in the month immediately preceding the month in which the examination for the

subject of Geography was held. Hence, the final arrangement is: -

Months	Persons	Subjects
April	A	Physics
May	H	History
June	P	Chemistry
July	B	Biology
August	M	Maths
September	Q	Accounts
October	G	Economics
November	N	Geography

Q129 Text Solution:

All consonants are to be coded in numbers from (8-1) in descending order

B-8, C-7, D-6, F-5, G-4, H-3, J-2, K-1

L-8, M-7, N-6, P-5, Q-4, R-3, S-2, T-1

V-8, W-7, X-6, Y-5, Z-4

'EDGED'- condition 5 follows

the first letter is a Vowel but the last letter is a Consonant, all the vowels of the word will be coded &.

EDGED- &64&6

Q130 Text Solution:

All consonants are to be coded in numbers from (8-1) in descending order

B-8, C-7, D-6, F-5, G-4, H-3, J-2, K-1

L-8, M-7, N-6, P-5, Q-4, R-3, S-2, T-1

V-8, W-7, X-6, Y-5, Z-4

PEOPLE- Condition 4 follows

the first letter is a Consonant but the last letter is a Vowel, all the vowels of the word will be coded @.

PEOPLE- 5@@58@

Q131 Text Solution:

All consonants are to be coded in numbers from (8-1) in descending order



B-8, C-7, D-6, F-5, G-4, H-3, J-2, K-1
L-8, M-7, N-6, P-5, Q-4, R-3, S-2, T-1
V-8, W-7, X-6, Y-5, Z-4

LOOTCASE- Condition 1 and 4 both follows
 1 Two consecutive vowels in a word are coded

LOOTCASE- TWO VOWELS

4 the first letter is a Consonant but the last letter is a Vowel, all the vowels of the word will be coded @.

Hence, by applying both the condition, the resultant is

LOOTCASE- 8@@@17@2@

Q132 Text Solution:

All consonants are to be coded in numbers from (8-1) in descending order

B-8, C-7, D-6, F-5, G-4, H-3, J-2, K-1
L-8, M-7, N-6, P-5, Q-4, R-3, S-2, T-1
V-8, W-7, X-6, Y-5, Z-4

ABODING- Condition 5 follows
 the first letter is a Vowel but the last letter is a Consonant, all the vowels of the word will be coded &.

ABODING- &8&6&64

Q133 Text Solution:

$S \% L \$ H \# N \& F @ G ; B \# N \% P \$ R \# K \& T$
 $S > L \geq H = N < F \leq G ; B = N > P \geq R = K < T$

Statements:

I. $G > R \rightarrow$ True

II. $P < L \rightarrow$ True

III. $T > H \rightarrow$ False

Hence, option C is correct.

Q134 Text Solution:

Statements;

$N \& H \# J \% V \$ K ; L @ P \# J \& E @ F ; B \# E \& S @ Q$
 $N < H = J > V \geq K ; L \leq P = J < E \leq F ; B = E < S \leq Q$

I. $K \leq B$ False

II. $Q > V$ True

III. $S \geq L$ False

Hence, option B is correct

Q135 Text Solution:

Statements

$T \leq G < C = R \leq W < E$

$Y = C \geq Q > X \geq U = V$

$M > D = V \geq N > L = I$

E>L True

M≥Q False

Y>G True

Q136 Text Solution:

Letters are- D, A, E, R Meaningful words will be Dear, Dare, Read.

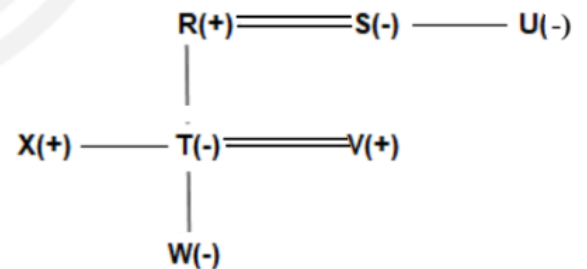
Q137 Text Solution:

Given statement: R%; T#; R @ S; X \$ T; R ! T; V ! W; S & U

After decoding the codes we get,

As R% means R is not a female. T# means T is not a male. R @ S means R is married to S. S & U means S and U are siblings with the same genders. X \$ T means X and T are siblings with different genders. R ! T means R is the parent of T. V ! W means V is the parent of W.

The family tree:



Hence, T is the niece of U.

Q138 Text Solution:

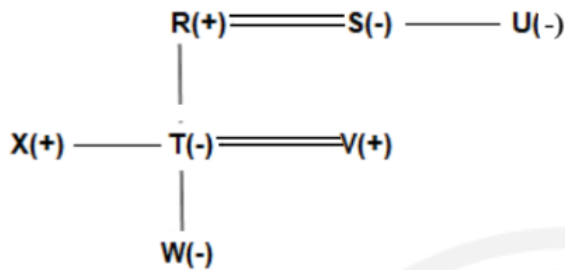
Given statement: R%; T#; R @ S; X \$ T; R ! T; V ! W; S & U

After decoding the codes we get,



As R% means R is not a female. T# means T is not a male. R @ S means R is married to S. S & U means S and U are siblings with the same genders. X \$ T means X and T are siblings with different genders. R ! T means R is the parent of T. V ! W means V is the parent of W.

The family tree:



Hence, T is the mother of W.

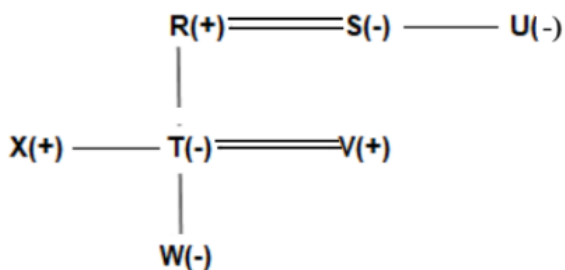
Q139 Text Solution:

Given statement: R%; T#; R @ S; X \$ T; R ! T; V ! W; S & U

After decoding the codes we get,

As R% means R is not a female. T# means T is not a male. R @ S means R is married to S. S & U means S and U are siblings with the same genders. X \$ T means X and T are siblings with different genders. R ! T means R is the parent of T. V ! W means V is the parent of W.

The family tree:



Hence, U is the aunt of X.

Q140 Text Solution:

Given number: 452647162

After replacement, **563758273**

There are six odd digits in the number after modification.

Q141. Text Solution:

Total number of shoes (branded + local) sold by 5 stores in 2021 = 5400

Let the total number of local shoes sold by 5 stores in 2021 be 't'.

Percentage of local shoes sold by store Q = $61.2 \times \frac{5}{18} = 17\%$

Percentage of local shoes sold by store T = $32.4 \times \frac{5}{18} = 9\%$

Percentage of local shoes sold by store R = $100 - (18 + 17 + 24 + 9) = 32\%$

Number of local shoes sold by store R = 768

Hence, 32% of t = 768

t = 2400

Therefore, total number of local shoes sold by 5 stores in 2021 = 2400

Total number of branded shoes sold by 5 stores in 2021 = $5400 - 2400 = 3000$

For store P:

Total number of shoes (branded + local) sold by store P in 2021 = 24.5% of 5400 = $24.5 \times 54 = 1323$

Number of local shoes sold by store P = 18% of 2400 = $18 \times 24 = 432$

Therefore, number of branded shoes sold by store P in 2021 = $1323 - 432 = 891$

Similarly, we can calculate the above values for the remaining stores and tabulate them.

Store	Total number of shoes	Number of local shoes	Number of branded shoes
P	1323	432	891
Q	1053	408	645
R	1755	768	987
S	837	576	261
T	432	216	216



Total number of branded shoes sold by stores P, R and T in 2021 = $891 + 987 + 216 = 2094$

Required average = $\frac{2094}{3} = 698$

Q142. Text Solution:

Total number of shoes (branded + local) sold by 5 stores in 2021 = 5400

Let the total number of local shoes sold by 5 stores in 2021 be 't'.

Percentage of local shoes sold by store Q

Percentage of local shoes sold by store T

Percentage of local shoes sold by store R = $100 - (18 + 17 + 24 + 9) = 32\%$

Number of local shoes sold by store R = 768

Hence, 32% of t = 768

t = 2400

Therefore, total number of local shoes sold by 5 stores in 2021 = 2400

Total number of branded shoes sold by 5 stores in 2021 = $5400 - 2400 = 3000$

For store P:

Total number of shoes (branded + local) sold by store P in 2021 = 24.5% of 5400 = $24.5 \times 54 = 1323$

Number of local shoes sold by store P = 18% of 2400 = $18 \times 24 = 432$

Therefore, number of branded shoes sold by store P in 2021 = $1323 - 432 = 891$

Similarly, we can calculate the above values for the remaining stores and tabulate them.

Store	Total number of shoes	Number of local shoes	Number of branded shoes
P	1323	432	891
Q	1053	408	645
R	1755	768	987
S	837	576	261
T	432	216	216

The number of branded shoes sold by store T in 2021 = 216

The number of local shoes sold by store P in 2021 = 432

Hence, required % = $\frac{432-216}{432} \times 100 = 50\%$

Q143. Text Solution:

Total number of shoes sold by store Q in 2021 = 1053

Let the total number of shoes sold by store Q in 2020 be 't'.

$$t \times \left(\frac{9}{8}\right) = 1053$$

$$t = \frac{(1053 \times 8)}{9} = 936$$

Total number of shoes sold by store T in 2021 = 432

Let the total number of shoes sold by store T in 2020 be 'y'.

$$y \times \left(\frac{9}{10}\right) = 432$$

$$y = 480$$

Hence, total number of shoes sold by stores Q and T together in 2020

$$= 936 + 480$$

$$= 1416$$

Q144. Text Solution:

Total number of local shoes sold by stores Q and S in 2021 = $408 + 576 = 984$

Average number of local shoes sold by stores Q and S in 2021 = $\frac{984}{2} = 492$

Hence, number of local shoes sold by store Z in 2021 = 492

Total number of branded shoes sold by all the stores in 2021 = 3000

Average number of branded shoes sold by all the 5 stores in 2021 = $\frac{3000}{5} = 600$

Hence, number of branded shoes sold by store Z in 2021 = $\frac{27}{20} \times 600 = 810$

Therefore, total number of shoes sold by store Z in 2021 = $492 + 810 = 1302$

Q145. Text Solution:

Total number of shoes sold by store R in 2021 = 1755



Total number of shoes to be sold by store R in 2022 = $\frac{16}{15} \times 1755 = 1872$

Total number of shoes sold by store S in 2021 = 837

Total number of shoes to be sold by store S in 2022 = $\frac{10}{9} \times 837 = 930$

Total number of shoes to be sold by stores R and S in 2022 = $1872 + 930 = 2802$

Total number of branded shoes sold by stores P, R and S together in 2021 = $891 + 987 + 261 = 2139$

Hence, required difference = $2802 - 2139 = 663$

Q146 Text Solution:

Common Solution:

Let the positions be: 1st > 2nd > 3rd > 4th > 5th

Since, B finished the race just before E:

So,

Case I: B > E > 3rd > 4th > 5th

Case II: 1st > B > E > 4th > 5th

Case III: 1st > 2nd > B > E > 5th

Case IV: 1st > 2nd > 3rd > B > E

Since, only two persons finished the race between B and C, who didn't finish the race after E.

So, cases I, II and III can be neglected.

And the only possible case: C > 2nd > 3rd > B > E

Since, only 1 person finished the race between A and E.

So, the real positions of A, B, C, D and E, at which they finished the race: C > D > A > B > E

C finished the race at 1st position, D finished the race at 2nd position, A finished the race at 3rd position, B finished the race at 4th position and E finished the race at 5th position.

Persons	Time taken to complete 100 meters (in seconds)	Total time taken to complete the race (in seconds)	Time taken to complete the remaining 100 meters (in seconds)
A	13	29	16
B	16	30	14
C	10	25	15
D	18	28	10
E	15	32	17

Time taken by B to complete the remaining 100 meters = 14 seconds

Time taken by C to complete the remaining 100 meters = 15 seconds

Time taken by D to complete the remaining 100 meters = 10 seconds

Required average = $\frac{14+15+10}{3} = 13$ seconds

Q147 Text Solution:

Common Solution:

Let the positions be: 1st > 2nd > 3rd > 4th > 5th

Since, B finished the race just before E:

So,

Case I: B > E > 3rd > 4th > 5th

Case II: 1st > B > E > 4th > 5th

Case III: 1st > 2nd > B > E > 5th

Case IV: 1st > 2nd > 3rd > B > E

Since, only two persons finished the race between B and C, who didn't finish the race after E.

So, cases I, II and III can be neglected.

And the only possible case: C > 2nd > 3rd > B > E

Since, only 1 person finished the race between A and E.

So, the real positions of A, B, C, D and E, at which they finished the race: C > D > A > B > E

C finished the race at 1st position, D finished the race at 2nd position, A finished the race at 3rd position, B finished the race at 4th position and E finished the race at 5th position.



Persons	Time taken to complete 1st 100 meters (in seconds)	Total time taken to complete the race (in seconds)	Time taken to complete remaining 100 meters (in seconds)
A	13	29	16
B	16	30	14
C	10	25	15
D	18	28	10
E	15	32	17

Time taken by A to complete the remaining 100 meters = 16 seconds

Time taken by B to complete the remaining 100 meters = 14 seconds

Time taken by C to complete the remaining 100 meters = 15 seconds

Time taken by D to complete the remaining 100 meters = 10 seconds

Time taken by E to complete the remaining 100 meters = 17 seconds

So, time taken by E to complete the remaining 100 meters is maximum.

Q148 Text Solution:

Common Solution:

Let the positions be: 1st > 2nd > 3rd > 4th > 5th

Since, B finished the race just before E:

So,

Case I: B > E > 3rd > 4th > 5th

Case II: 1st > B > E > 4th > 5th

Case III: 1st > 2nd > B > E > 5th

Case IV: 1st > 2nd > 3rd > B > E

Since, only two persons finished the race between B and C, who didn't finish the race after E.

So, cases I, II and III can be neglected.

And the only possible case: C > 2nd > 3rd > B > E

Since, only 1 person finished the race between A and E.

So, the real positions of A, B, C, D and E, at which they finished the race: C > D > A > B > E

C finished the race at 1st position, D finished the race at 2nd position, A finished the race at 3rd position, B finished the race at 4th position and E finished the race at 5th position.

Persons	Time taken to complete 1st 100 meters (in seconds)	Total time taken to complete the race (in seconds)	Time taken to complete remaining 100 meters (in seconds)
A	13	29	16
B	16	30	14
C	10	25	15
D	18	28	10
E	15	32	17

Total time taken by A to finish the race = 29 seconds

Total time taken by C to finish the race = 25 seconds

Required percentage = $\frac{29-25}{25} \times 100 = 16\%$

Q149 Text Solution:

Common Solution:

Let the positions be: 1st > 2nd > 3rd > 4th > 5th

Since, B finished the race just before E:

So,

Case I: B > E > 3rd > 4th > 5th

Case II: 1st > B > E > 4th > 5th

Case III: 1st > 2nd > B > E > 5th

Case IV: 1st > 2nd > 3rd > B > E

Since, only two persons finished the race between B and C, who didn't finish the race after E.

So, cases I, II and III can be neglected.

And the only possible case: C > 2nd > 3rd > B > E

Since, only 1 person finished the race between A and E.

So, the real positions of A, B, C, D and E, at which they finished the race: C > D > A > B > E



C finished the race at 1st position, D finished the race at 2nd position, A finished the race at 3rd position, B finished the race at 4th position and E finished the race at 5th position.

Person	Time taken to complete 1st 100 meters (in seconds)	Total time taken to complete the race (in seconds)	Time taken to complete remaining 100 meters (in seconds)
A	13	29	16
B	16	30	14
C	10	25	15
D	18	28	10
E	15	32	17

Total time taken by C to finish the race = 25 seconds

Since, E finished the race at 5th position.

So, total time taken by E to finish the race = 32 seconds

Required difference = $32 - 25 = 7$ seconds

Q150 Text Solution:

Common Solution:

Let the positions be: 1st > 2nd > 3rd > 4th > 5th

Since, B finished the race just before E:

So,

Case I: B > E > 3rd > 4th > 5th

Case II: 1st > B > E > 4th > 5th

Case III: 1st > 2nd > B > E > 5th

Case IV: 1st > 2nd > 3rd > B > E

Since, only two persons finished the race between B and C, who didn't finish the race after E.

So, cases I, II and III can be neglected.

And the only possible case: C > 2nd > 3rd > B > E

Since, only 1 person finished the race between A and E.

So, the real positions of A, B, C, D and E, at which they finished the race: C > D > A > B > E

C finished the race at 1st position, D finished the race at 2nd position, A finished the race at 3rd position, B finished the race at 4th position and E finished the race at 5th position.

Person	Time taken to complete 1st 100 meters (in seconds)	Total time taken to complete the race (in seconds)	Time taken to complete remaining 100 meters (in seconds)
A	13	29	16
B	16	30	14
C	10	25	15
D	18	28	10
E	15	32	17

Time taken by D and E together to complete the 1st 100 meters = $18 + 15 = 33$ seconds

Time taken by D and E together to complete the remaining 100 meters = $10 + 17 = 27$ seconds

Required ratio = $33 : 27 = 11 : 9$

Q151 Text Solution:

Given expression is

$$(63.94 \times 15.96 \div 255.96)^2 =$$

$$\sqrt[3]{[3.94^{(?-3)}]}$$

$$\Rightarrow (64 \times 16 \div 256)^2 = \sqrt[3]{[4^{(?-3)}]}$$

$$\Rightarrow \left(64 \times \frac{16}{256}\right)^2 = \sqrt[3]{[4^{(?-3)}]}$$

$$\Rightarrow 4^2 = \sqrt[3]{[4^{(?-3)}]}$$

$$\Rightarrow 4^6 = 4^{(?-3)}$$

$$\Rightarrow (?) - 3 = 6$$

$$\Rightarrow (?) = 9$$

Q152 Text Solution:

$$\sqrt[3.01]{726} + 19.956\% \text{ of } 881.0954 + 25.08\% \text{ of } 2200.96 = ?$$

$$\sqrt[3]{729} + 20\% \text{ of } 880 + 25\% \text{ of } 2200 = ?$$

$$? = 9 + 0.20 \times 880 + 0.25 \times 2200$$

$$? = 9 + 176 + 550$$

$$? = 735$$



Q153 Text Solution:

$$(782.85)^{1/2} + 37.505\% \text{ of } 2688.04 + 48.12 \times 34.25$$

$$\div (67.78) = ?$$

$$? = (784)^{1/2} + 37.5\% \text{ of } 2688 + 48 \times 34 \div 68$$

$$? = 28 + \frac{37.5}{100} \times 2688 + 48 \times \frac{1}{2}$$

$$? = 28 + 1008 + 24$$

$$? = 1060$$

Q154 Text Solution:

Let work done by men and women be m and w units respectively.

$$30m \times 16 = 20w \times 40$$

$$480m = 800w$$

$$m = \frac{5}{3}w$$

Let efficiency of women = $w = 3 \text{ units}$.

Then, efficiency of men
 $= m = \frac{5}{3} \times 3 = 5 \text{ units}$

Total work to be done
 $= 30m \times 16 = 480m = 2400 \text{ units}$

Let time taken by women be k days

As per question;

$$14m \times 24 + 20w \times k = 2400$$

$$1680 + 60k = 2400$$

$$720 = 60k$$

$$k = 12 \text{ days}$$

Q155 Text Solution:

Let's call the total age of the 50 students as "A".

The total age of the first 30 students is

$$30 \times 19 = 570 \text{ years.}$$

The total age of the last 10 students is $10 \times 15 = 150$ years.

So, $A = 570 + 150 + \text{total age of the remaining 10 students} = 570 + 150 + 10x$ (where x is the average age of the remaining 10 students)

We know that the average age of 50 students is 18, so $A = 50 \times 18 = 900$.

By substituting the values we have, we get:

$$900 = 570 + 150 + 10x$$

$$900 - 570 - 150 = 10x$$

$$180 = 10x$$

$$x = 18$$

So, the average age of the remaining 10 students is 18 years.

Q156 Text Solution:

Solution:

$$\text{Perimeter of rectangle} = 2(l+b) = 2(8+7) = 30\text{cm}$$

Perimeter of square is twice the perimeter of rectangle = $2 \times 30 = 60\text{cm}$

$$\text{Then, side of the square is} = \frac{1}{4} \times 60 = 15\text{cm.}$$

Circumference of the semicircle = $\pi r + 2r$

$$= \frac{22}{7} \times \frac{15}{2} + 2 \times \frac{15}{2}$$

$$= 23.5 + 15$$

$$= 38.5\text{cm.}$$

Q157 Text Solution:

$$C_p = S_p$$

so there is no profit through price.

By alligation,

we get ratio of milk and water is = 1 : 3

$$1 \text{ unit} = 9 \text{ l and } 3 \text{ unit} = 27 \text{ l}$$

So, total 27 lit milk is added

By basic,

Let milk is added x L

$$(66 \times x) \frac{4}{3} = (x+9) \times 66$$

$$\frac{4x}{3} = x+9$$

$$x = 27 \text{ L}$$

Q158 Text Solution:

$$A's \text{ present age} = 4x$$

$$B's \text{ present age} = 3x - 1$$

$$D's \text{ present age} = x - 3 + 4 = x + 1$$

So, according to the question,

$$4x + 3x - 1 + x + 1 = 3 \times 32$$

$$8x = 96$$

$$x = 12$$

$$\text{So, } A's \text{ present age} = 4 \times 12 = 48 \text{ years}$$

$$C's \text{ present age} = 48 + 5 = 53 \text{ years}$$

Hence the answer is 53 years.

Q159 Text Solution:

Let the principal be x



Amount = $3x$

So, Interest = $2x$

Time = 10 years

Simple Interest (S.I.)

$$= \frac{\text{Principal} \times \text{Rate} \times \text{Time}}{100}$$

$$2x = \frac{x \times \text{Rate} \times 10}{100}$$

Rate = 20%

Again,

$P = x$

$A =$ It will become double = $2x$

$SI = 2x - x = x$

$$x = \frac{x \times 20 \times \text{time}}{100}$$

Time = 5 years

Q160 Text Solution:

Alcohol : water = 3 : 2

$$\frac{3x-18}{2x-12+30} = \frac{6}{19}$$

$x=10$

Alcohol = $3 \times 10 - 18 = 12$

Q161 Text Solution:

Part of the tank filled by both taps in 5 minutes =

$$5 \left(\frac{1}{15} + \frac{1}{30} \right)$$

$$= 5 \times \frac{3}{30}$$

$$= \frac{1}{2}$$

Remaining part = $1 - \frac{1}{2}$

= $\frac{1}{2}$ that is filled by second tap

Time taken = $\frac{1}{2} \times 30$

= 15 minutes

Q162 Text Solution:

Let be the current population of the village P

Population after 3 years = $p \left(1 + \frac{r}{100} \right)^t$

$$= 40000 \left(1 + \frac{10}{100} \right)^3$$

$$= 40000 \times \frac{11}{10} \times \frac{11}{10} \times \frac{11}{10}$$

$$= 53240$$

∴ The answer is 53240.

Q163 Text Solution:

ratio of three numbers = $a : 4 : 5$

let the numbers be $ax, 4x$ and $5x$

sum of the squares of second and third number = 4100

$$(4x)^2 + (5x)^2 = 4100$$

$$16x^2 + 25x^2 = 4100$$

$$41x^2 = 4100$$

$$x^2 = 100$$

$$x = 10$$

And, $ax + 4x + 5x = 110$

$$10a + 90 = 110$$

$$10a = 20$$

$$a = 2$$

Q164 Text Solution:

If a number "x" divides 627 and 705 leaving remainders of 2 and 5 respectively, then we can write:

$$627 = ax + 2$$

$$705 = bx + 5$$

$$ax = 625$$

$$bx = 700$$

HCF of 625 and 700 will be 25

Therefore, the greatest number that divides 627 and 705 leaving the remainder 2 and 5 is 25

So; $x = 25$

Therefore,

$$\frac{3}{5} \text{ of } x + 5 = \frac{3}{5} \times 25 + 5$$

$$= 20$$

Q165 Text Solution:

Since, number of males is always more than that of females and there is at least 1 female.

So, number of ways to select 3 males and 1 female: ${}^6C_3 \times {}^x C_1 = 80$

$$\frac{6!}{3! \times 3!} \times \frac{X!}{1! \times (X-1)!} = 80$$

$$20 \times X = 80$$

$$X = 4$$

Q166 Text Solution:

According to the question,

$$\frac{400}{x} = t + 1$$

$$\frac{400}{x+20} = t$$



From above equations ,

$$\frac{400}{x} - \frac{400}{x+20} = t + 1 - t$$

$$\frac{400(x+20-x)}{x \times (x+20)} = 1$$

$$8000 = x^2 + 20x$$

$$x^2 + 100x - 80x - 8000 = 0$$

$$x(x+100) - 80(x+100) = 0$$

$$x = 80, -100$$

Speed of car P = 80 kmph

Q167. Text Solution:

General solution:

Institution P:

Total number of students preparing in institution

$$P = 960$$

Percentage of students preparing for UPSC exam

$$= 25\%$$

Number of students preparing for UPSC exam =

$$\frac{25}{100} \times 960 = 240$$

Number of students preparing for the SSC exam

$$= 320$$

Number of students preparing for Bank exam =

$$960 - 240 - 320 = 400$$

Institution Q:

Number of students preparing for the SSC exam

$$= 160$$

Ratio of number of students preparing for Bank

and SSC exam = 13: 4

Number of students preparing for Bank exams =

$$\frac{160}{4} \times 13 = 520$$

Total number of students preparing for Bank and

$$SSC exam = 520 + 160 = 680$$

Percentage of students preparing for UPSC exam

$$= 20\%$$

Percentage of students preparing for Bank and

SSC exam = 80%

Number of students preparing for UPSC exam =

$$\frac{680}{80} \times 20 = 170$$

$$\text{Total number of students preparing} = 520 + 160 + 170 = 850$$

Institution R:

Total number of students preparing in institution

$$R = 720$$

Number of students preparing for the SSC exam

$$= 288$$

Ratio of number of students preparing for Bank

and SSC exam = 9: 8

Number of students preparing for Bank exam =

$$\frac{288}{8} \times 9 = 324$$

Number of students preparing for UPSC exam =

$$720 - 288 - 324 = 108$$

Institution S:

Total number of students preparing in Institution

$$S = 640$$

Percentage of students preparing for UPSC exam

$$= 20\%$$

Number of students preparing for UPSC exam =

$$640 \times \frac{20}{100} = 128$$

Sum of the number of students preparing for

Bank and SSC exam = 640 - 128 = 512

Ratio of number of students preparing for Bank

and SSC exam = 5: 3

Number of students preparing for Bank exam =

$$\frac{5}{8} \times 512 = 320$$

Number of students preparing for SSC exam =

$$\frac{3}{8} \times 512 = 192$$

Institution T:

Total number of students preparing in institution

$$T = 840$$

Number of students preparing for UPSC exam =

$$\frac{25}{100} \times 840 = 210$$

Number of students preparing for SSC exam =

$$150$$

Number of students preparing for Bank exam =

$$840 - 210 - 150 = 480$$

Institution	Total number	Number of	Number of	Number of



	of students preparing for UPSC exam, Bank exam and SSC exam	students preparing Bank exam	students preparing SSC exam	students preparing UPSC exam
P	960	400	320	240
Q	850	520	160	170
R	720	324	288	108
S	640	320	192	128
T	840	480	150	210

Solution:

Number of students preparing for Bank exams in institution R = 324

Total number of students preparing in institution R = 720

$$\text{Required fraction} = \frac{324}{720} = \frac{9}{20}$$

Q168. Text Solution:

Number of students preparing for SSC exam in institution P and S together = $320 + 192 = 512$

Total number of students preparing in institution P and S together = $960 + 640 = 1600$

$$\text{Required percentage} = \frac{512}{1600} \times 100 = 32\%$$

Q169. Text Solution:

Total number of students preparing for UPSC exam in Institution P, R and T = $240 + 108 + 210 = 558$

Average number of students preparing for the UPSC exam in Institutions P, R and T = $\frac{558}{3} = 186$

Q170. Text Solution:

Total number of students preparing for SSC exam = $320 + 160 + 288 + 192 + 150 = 1110$

Total number of students preparing for UPSC exam = $240 + 170 + 108 + 128 + 210 = 856$

Required difference = $1110 - 856 = 254$

Q171. Text Solution:

Number of students preparing for UPSC exam in institution P = 240

Number of students preparing for SSC in institution T = 150

$$\begin{aligned} \text{Required difference} &= \left[\frac{240 - 150}{150} \right] \times 100 \\ &= \frac{90}{15} \% \\ &= 60 \% \end{aligned}$$

Q172. Text Solution:

	X	Y	Z	Total
2016	7m	25T	8m or 28T	
2017	14m		6k	
2018		35m	11k	430
Total		390	158	

$$8m = 28T$$

$$M = 3.5T$$

$$28T - 6k = 20 \dots\dots\dots I$$

$$28T + 17k = 158 \dots\dots\dots II$$

From eq. I and II

$$23k = 138$$

$$k = 6$$

$$28T = 20 + 36$$

$$T = 2$$

$$\text{And, } M = 3.5T = 7$$

	X	Y	Z	Total
2016	49	50	56	
2017	98		36	
2018		245	66	430
Total		390	158	

	X	Y	Z	Total
2016	49	50	56	155
2017	98	95	36	229
2018	119	245	66	430
Total	266	390	158	



The total number of articles sold by X in a given three years = 266

Q173. Text Solution:

	X	Y	Z	Total
2016	7m	25T	8m or 28T	
2017	14m		6k	
2018		35m	11k	430
Total		390	158	

$$8m = 28T$$

$$M = 3.5T$$

$$28T - 6k = 20 \dots\dots\dots I$$

$$28T + 17k = 158 \dots\dots\dots II$$

From eq.I and II

$$23k = 138$$

$$k = 6$$

$$28T = 20 + 36$$

$$T = 2$$

$$\text{And, } M = 3.5T = 7$$

	X	Y	Z	Total
2016	49	50	56	
2017	98		36	
2018		245	66	430
Total		390	158	

	X	Y	Z	Total
2016	49	50	56	155
2017	98	95	36	229
2018	119	245	66	430
Total	266	390	158	

Required ratio = 119: 95

Q174. Text Solution:

	X	Y	Z	Total
2016	7m	25T	8m or 28T	

2017	14m		6k	
2018		35m	11k	430
Total		390	158	

$$8m = 28T$$

$$M = 3.5T$$

$$28T - 6k = 20 \dots\dots\dots I$$

$$28T + 17k = 158 \dots\dots\dots II$$

From eq.I and II

$$23k = 138$$

$$k = 6$$

$$28T = 20 + 36$$

$$T = 2$$

$$\text{And, } M = 3.5T = 7$$

	X	Y	Z	Total
2016	49	50	56	
2017	98		36	
2018		245	66	430
Total		390	158	

	X	Y	Z	Total
2016	49	50	56	155
2017	98	95	36	229
2018	119	245	66	430
Total	266	390	158	

Required difference = 66 - 49 = 17

Q175. Text Solution:

	X	Y	Z	Total
2016	7m	25T	8m or 28T	
2017	14m		6k	
2018		35m	11k	430
Total		390	158	

$$8m = 28T$$

$$M = 3.5T$$

$$28T - 6k = 20 \dots\dots\dots I$$

$$28T + 17k = 158 \dots\dots\dots II$$



From eq.I and II

$$23k = 138$$

$$k = 6$$

$$28T = 20 + 36$$

$$T = 2$$

$$\text{And, } M = 3.5T = 7$$

	X	Y	Z	Total
2016	49	50	56	
2017	98		36	
2018		245	66	430
Total		390	158	

	X	Y	Z	Total
2016	49	50	56	155
2017	98	95	36	229
2018	119	245	66	430
Total	266	390	158	

$$\text{Required difference} = 266 - 158 = 108$$

Q176. Text Solution:

	X	Y	Z	Total
2016	7m	25T	8m or 28T	
2017	14m		6k	
2018		35m	11k	430
Total		390	158	

$$8m = 28T$$

$$M = 3.5T$$

$$28T - 6k = 20 \dots\dots\dots I$$

$$28T + 17k = 158 \dots\dots\dots II$$

From eq.I and II

$$23k = 138$$

$$k = 6$$

$$28T = 20 + 36$$

$$T = 2$$

$$\text{And, } M = 3.5T = 7$$

	X	Y	Z	Total

2016	49	50	56	
2017	98		36	
2018		245	66	430
Total		390	158	

	X	Y	Z	Total
2016	49	50	56	155
2017	98	95	36	229
2018	119	245	66	430
Total	266	390	158	

The total number of articles sold by X, Y, and Z in the year 2017 = 229

Q177 Text Solution:

Logic in the series:

$$12 + 12 = 24$$

$$24 + 20 = 44$$

$$44 + 28 = 72$$

$$72 + 36 = 108$$

$$108 + 44 = 152$$

So, the wrong term in the series = P = 80

And the number, which will come in place of P = 72

$$\text{Required percentage} = \frac{72}{80} \times 100 = 90\%$$

Q178 Text Solution:

Logic in the given series:

$$48 - 2^2 = 44$$

$$44 + 3^2 = 53$$

$$53 - 4^2 = 37(35)$$

$$37 + 5^2 = 62$$

$$62 - 6^2 = 26$$

So, the wrong term of the given series = P = 35

Now,

$$\text{1st term of the new series} = 35$$

$$\text{2nd term of the new series} = 35 - 2^2 = 31$$

$$\text{3rd term of the new series} = 31 + 3^2 = 40$$

$$\text{4th term of the new series} = 40 - 4^2 = 24$$

Q179 Text Solution:

Logic in the given series:



$$4 + 2 = 6$$

$$6 + 6 = 12(15)$$

$$12 + 18 = 30$$

$$30 + 54 = 84$$

$$84 + 162 = 246$$

So, the wrong term of the series = P = 15

Now,

1st term of the new series = 15

2nd term of the new series = 15 + 1 = 16

3rd term of the new series = 16 + 3 = 19

4th term of the new series = 19 + 9 = 28

5th term of the new series = 28 + 27 = 55

6th term of the new series = 55 + 81 = 136

Q180 Text Solution:

quantity 1 : ratio of efficiency of sam and amar = 100x : 40x = 5x : 2x

Total work = 22.5 × 2x = 45x

Given, (amar + sam) × 4.5 = 4.5(5x + 2x) = 31.5x work

Remaining work = 45x - 31.5x = 13.5x

Ajay's efficiency = $\frac{13.5}{4.5} = 3$ units/day

Required day = $\frac{45x}{(5x + 2x + 3x)} = 4.5$ days

Quantity 2: total work = 72 units

Efficiency of A = $\frac{72}{24} = 3$ units/day

Efficiency of B = $\frac{72}{18} = 4$ units/day

Let efficiency of C be x unit/day.

$7x + 7(1.4x) = 72 \times \frac{175}{3} \times \frac{1}{100}$

16.8x = 42 units

x = 2.5 units

Efficiency of D = 1.4 × 2.5 = 3.5 units

Required time, if A, B and D works together =

$\frac{72}{(3 + 4 + 3.5)} = 6\frac{6}{7}$ days

Q181 Text Solution:

quantity 1: let MP of shirt = 100x

So, SP of shirt = $100x \times \frac{76}{100} = 76x$

Cost price of pant = $76x \times \frac{5}{4} = 95x$

selling price of pant = $95x \times \frac{110}{100} = 104.5x$

Given, 104.5x - 76x = 1140

28.5x = 1140

x = 40

Cost price of pant = 95 × 40 = rs. 3800

Quantity 2 : let marked price of article P = 100x

SP of article P = $100x \times \frac{3}{4} = 75x$

CP of article P = $75x \times \frac{5}{4} = 93.75x$

Marked price of article Q = 120x

SP of article Q = $120x \times \frac{4}{5} = 96x$

CP of article Q = $96x \times \frac{15}{16} = 90x$

Given, (93.75x + 90x) - (75x + 96x) = 765

183.75x - 171x = 765

12.75x = 765

x = 60

MP of article Q = 60 × 120 = rs. 7200

So, Quantity 1 < Quantity 2

Q182 Text Solution:

The sample space in rolling of an unbiased dice = {1, 2, 3, 4, 5, 6}

Therefore, total number of elements = 6

Quantity I:

Number of odd prime numbers in the sample space = 2 [Only 3 and 5]

Probability of getting an odd prime number = $\frac{2}{6} = \frac{1}{3}$

Quantity II:

Number of even prime numbers in the sample space = 1 [Only 2]

Probability of getting an even prime number = $\frac{1}{6}$

Hence, option 1.

Q183 Text Solution:

quantity 1 : $\frac{x}{16+6} + \frac{x}{16-6} = 8$

$\frac{x}{22} + \frac{x}{10} = 8$

$\frac{16x}{110} = 8$

x = $8 \times \frac{110}{16} = 55$ km

Total distance travelled by man = 2 × 55 = 110 km

Quantity 2 : speed of upstream = $42 \times \frac{60}{63} = 40$ km/h

Now, 40 = 7x - 3x

x = 10



Downstream speed = $7 \times 10 + 3 \times 10 = 100$ km/h

Required distance = $100 \times \frac{42}{60} = 70$ km

So, quantity 1 > quantity 2

Q184 Text Solution:

General Solution:

The time taken to fill the tank by A and B are in the ratio of 2 : 1

Time taken by the pipe B to fill the tank and the time taken to empty the tank by pipe C is in the ratio of 3:4

Time taken ratio of pipes A, B and C are in the ratio 6:3:4

Efficiency ratio of pipes A, B and C = 2:4:3

Using statement I:

Quantity filled by Pipe B = $\frac{4}{2} \times 2 = 4$ liters per hour

Quantity filled by Pipe A = $\frac{2}{2} \times 2 = 2$ liters per hour

From this data, we cannot find the total time taken to fill the tank

Thus, the statement I alone is not sufficient to answer the question.

Using statement II:

Time taken by Pipe C to empty the tank is 24 min less than by pipe A

The Time taken ratio of pipes A, B and C are in the ratio 6:3:4

Let the time taken by Pipe A and C be $6x$ and $4x$ respectively

$$6x - 4x = 24$$

$$2x = 24$$

$$x = 12$$

Time taken by Pipe A, and B can fill the tank in 72 hours and 36 hours

Time taken by Pipe C alone to empty the tank in 48 hours

Total work = LCM of (72, 36 and 48)

Total work = 144

Pipe A's efficiency = $\frac{144}{72} = 2$

Pipe C's efficiency = $\frac{144}{48} = 3$

Pipe B's efficiency = $\frac{144}{36} = 4$

Time taken to fill the tank by all the pipes working together

$$= \frac{144}{2 + 4 + 3}$$

$$= \frac{144}{9}$$

$$= 48 \text{ hours}$$

Thus, statement II alone is sufficient to answer the question.

Hence the final answer is b) Data in statement II alone is sufficient, while the data in statement I alone are not sufficient to answer the question

Q185 Text Solution:

Statement I:

Initial quantity of gold = 20 grams

Initial quantity of copper = 5 grams

The data in statement I is not sufficient to answer.

Statement II:

Weight of the jewel = 16 grams

Diamond = 2 grams

$$\text{Gold} = \frac{2 \times 100}{15 \frac{955}{1603}} = 12.824 \text{ grams}$$

Thus, we can determine the percentage of gold in the jewel

$$\text{Percentage of gold} = 12.824 \times \frac{100}{16} = 80.15\%$$

Statement III:

Copper = 2 × Diamond

This data is not sufficient to answer.

Therefore, the data in statement II alone is sufficient

Q186 Text Solution:

General Solution:

Using statement, I:

Let the efficiency of man and woman be 10 and 7 respectively.

7 men and 5 women started working together then the amount of work completed

$$= (7m + 5w) \times 8$$

$$= (7 \times 10 + 5 \times 7) \times 8$$



$$= (70 + 35) \times 8$$

$$= 105 \times 8$$

$$= 840 \text{ (Which is 60\% of the total work)}$$

$$\text{Then the total work} = \frac{100}{60} \times 840 = 1400$$

$$\text{Then the remaining work} = 1400 - 840 = 560 \text{ units of work}$$

$$\text{The remaining work completed by 40\% of the women} = 40\% \text{ of } 5w = 2w$$

$$\text{Amount of work completed by } 2w = 2 \times 7 = 14$$

$$\text{Time taken to complete the whole work} = \frac{560}{14} =$$

$$40 \text{ days}$$

So, the total work gets completed in 48 days

Since from this data, we cannot find how many days before the work will get completed

Thus, the statement I alone is not sufficient to answer the question.

Using statement II:

The work is to be completed in 50 days.

Thus, statement II alone is not sufficient to answer the question.

Combining both statements, I and II:

Let the efficiency of man and woman be 10 and 7 respectively.

7 men and 5 women started working together then the amount of work completed

$$= (7m + 5w) \times 8$$

$$= (7 \times 10 + 5 \times 7) \times 8$$

$$= (70 + 35) \times 8$$

$$= 105 \times 8$$

$$= 840 \text{ (Which is 60\% of the total work)}$$

$$\text{Then the total work} = \frac{100}{60} \times 840 = 1400$$

$$\text{Then the remaining work} = 1400 - 840 = 560 \text{ units of work}$$

$$\text{The remaining work completed by 40\% of the women} = 40\% \text{ of } 5w = 2w$$

$$\text{Amount of work completed by } 2w = 2 \times 7 = 14$$

$$\text{Time taken to complete the whole work} = \frac{560}{14} =$$

$$40 \text{ days}$$

So the total work gets completed in 48 days

The work is to be completed in 50 days

Thus, 2 days before the completion of the work will get completed

Thus, If the data in statements I and II together are necessary to answer the question.

Q187 Text Solution:

General Solution:

Using Statement I:

Let the income of A to the expenditure of B as $4x$ and $5x$ respectively and the income of B and the expenditure of A as $5y$ and $2y$ respectively

$$\text{Savings of A} = 4x - 2y$$

$$\text{Savings of B} = 5y - 5x$$

$$5y - 5x + (4x - 2y) = 1800$$

$$3y - x = 1800$$

Thus, the statement I alone is not sufficient to answer the question.

Using Statement II:

Let the savings of A and B as Rs. $(z - 200)$ and Rs. z respectively.

$$z - 200 + z = 1800$$

$$2z = 1800 + 200$$

$$2z = 2000$$

$$z = 1000$$

$$\text{Savings of B} = \text{Rs. } 1000$$

$$\text{Savings of A} = \text{Rs. } 800$$

Thus statement II alone is not sufficient to answer the question.

Combining statements I and II:

Let the income of A to the expenditure of B as $4x$ and $5x$ respectively and the income of B and the expenditure of A as $5y$ and $2y$ respectively

$$\text{Savings of A} = 4x - 2y$$

$$\text{Savings of B} = 5y - 5x$$

$$\text{Savings of B} = \text{Rs. } 1000$$

$$\text{Savings of A} = \text{Rs. } 800$$

$$4x - 2y = 800 \text{ ----- (1)}$$

$$5y - 5x = 1000$$

$$y - x = 200 \text{ ----- (2)}$$

$$y = x + 200$$

$$4x - 2 \times (x + 200) = 800$$



$$4x - 2x - 400 = 800$$

$$2x = 1200$$

$$x = 600$$

$$\text{Income of A} = 4x = 4 \times 600 = \text{Rs.2400}$$

Thus, both statements I and II together are necessary to answer the question.

Q188 Text Solution:

$$ab = -64$$

$$a - b = 20$$

$$(a - b)^2 = 400$$

$$a^2 + b^2 - 2ab = 400$$

$$a^2 + b^2 - 2(-64) = 400$$

$$a^2 + b^2 = 400 - 128$$

$$a^2 + b^2 = 272$$

Q189 Text Solution:

$$x^2 + zx + 35 = 0$$

As roots of the equation are given, hence to find the value of z we can put any value of root, to get the desired output of Z.

$$\Rightarrow (-7)^2 + z(-7) + 35 = 0$$

$$\Rightarrow 49 - 7z + 35 = 0$$

$$\Rightarrow 84 = 7z$$

$$\Rightarrow z = 12$$

Therefore; equation 1 is $x^2 + 12x + 35 = 0$

Given

$$y^2 = 18y - 77$$

$$\Rightarrow y^2 - 18y + 77 = 0$$

$$\Rightarrow y^2 - 11y - 7y + 77 = 0$$

$$\Rightarrow y(y - 11) - 7(y - 11)$$

$$\Rightarrow y = 7, 11$$

Therefore;

25% of smaller root of equation II + 60% of z

$$= 25\%(7) + 60\%(12) = 8.95$$

Q190 Text Solution:

From equation (I):

$$50 - [4 - \{4 - 4(4 + 4)\}] = x$$

$$50 - [4 - \{4 - 4(8)\}] = x$$

$$50 - [4 - \{4 - 32\}] = x$$

$$50 - [4 + 28] = x$$

$$x = 18$$

From equation (II):

$$3120 \div 12 \times y + 340 = 4500$$

$$260 \times y + 340 = 4500$$

$$260 \times y = 4160$$

$$y = 16$$

So, $x > y$





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